



THE welding table
THE ORIGINAL

DEMMELE® welding news

The original 3D welding table. Invented by DEMMELE®.

#2

2026



From sheet
metal cutting
to the **finished-
welded component**

Cutting. Clamping.
AI-assisted welding.
**Everything from
a single source.**

NEW: DEMMELE TECHNOLOGY GMBH
Official distribution partner of Bodor Laser
for Bavaria and Baden-Württemberg



Sales / Service / Automation / Training

NEW



From October 2026 in Heimertingen:
Future of Laser Technology Centre
4 laser machines up and running
including a 60 kW large-format laser

5 Years of
Warranty

bodor | **NO.1**

ECONOMIC WELDING PRODUCTION



**Your point of contact for
DEMMELER 3D welding tables**
Authorised distributors for clamping
systems in your area.



Our dream team for your efficient and cost-effective welding production

Cost-effective welding requires short set-up times, precise results and consistent quality. It is crucial to make the best possible use of skilled workers whilst at the same time increasing productivity. DEMMELER offers end-to-end solutions for this – from precise clamping and positioning right through to automated welding.



Laser cutting

Bodor laser machines for precise and cost-effective sheet metal cutting – distributed and supported by DEMMELER Technology.



Manual welding

Genuine DEMMELER 3D welding tables for precise positioning, clamping and tack welding.



COBOT welding

DEMMELER® COBOT WeldSpace 4.0® for efficient and repeatable welding processes.



OUR PERFORMANCE
makes THE DIFFERENCE

OUR PRODUCT SOLUTIONS – ALL WITH THE SAME AIM:

Reducing production costs

With a DEMMELER 3D clamping system, you are not only investing in high-quality manufacturing equipment, but also creating a reliable basis for short set-up times and cost-effective processes.

Improving quality

The modular system allows a wide variety of components to be positioned quickly, precisely and with repeatable accuracy. This reduces set-up time and ensures optimum positioning during tack welding and welding.



EVERYTHING IN ONE SOURCE.

**We are developers,
manufacturers and
users – a triple expertise
in quality, user-friend-
liness and efficiency**

Development and Design

Our specialists in Heimertingen are constantly developing new solutions for more efficient, precise and ergonomic working.

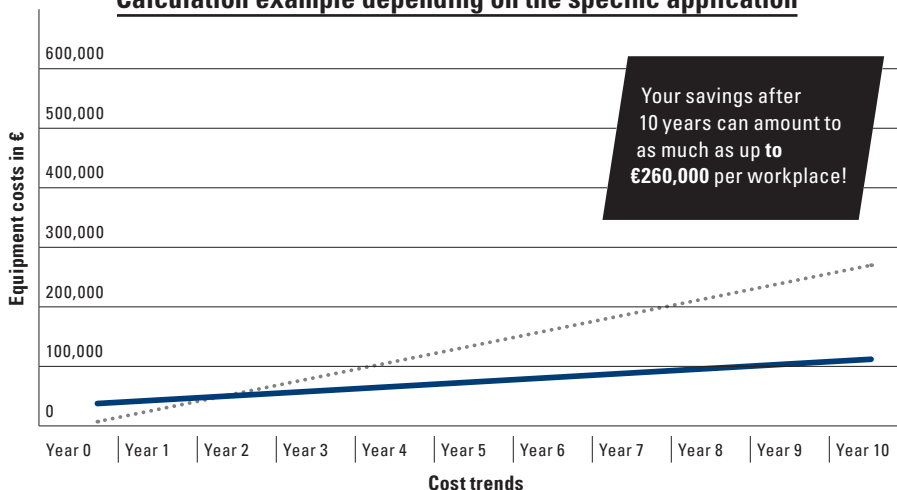
By professionals, for professionals

As the inventors of the 3D clamping system, we don't just develop and manufacture our products – we use them every day in our own production facilities. We are our own most demanding customers.

Made in Germany

Highly qualified specialists and modern, automated production ensure consistently high product quality.

Calculation example depending on the specific application



Data used for this illustrative assessment: Current annual fixture costs of €20,000; time taken for clamping and releasing per workpiece: 12 minutes; 1,000 clamping operations per year; labour costs of €44 per hour; compared with a one-off net investment cost of €23,000 for a 3D clamping system.

Let us advise you:

By telephone:
+49 (0) 83 35 / 98 59-0

By email:
sales@demmeler.com

THE hardness DemontXBlack

DEMMELEER® DemontXBlack – Quality in every layer

Special DEMMELEER tool steel, proprietary hardening process and protective post-oxidation treatment.

A high-quality welding table is not created by a single manufacturing step. The key lies in the perfect interplay between material, design, manufacture and surface treatment. DEMMELEER manages this entire process chain in-house: from highly automated production, through tool steel manufactured specifically to our requirements, to plasma nitriding carried out in our own facilities. The DemontXBlack hardening process, developed and continuously optimised by DEMMELEER, gives our 3D welding tables their exceptional resilience, precision and durability.

1

Highly automated manufacturing

The core quality is achieved in our own highly automated production facility in Heimertingen. Precise machining processes and end-to-end quality assurance lay the foundation for high accuracy, stability and repeatability.

2

Specially manufactured tool steel

DEMMELEER does not use ordinary standard steel for DemontXBlack. The high-quality tool steel is manufactured specifically to our requirements and tailored to the subsequent machining and plasma nitriding processes.

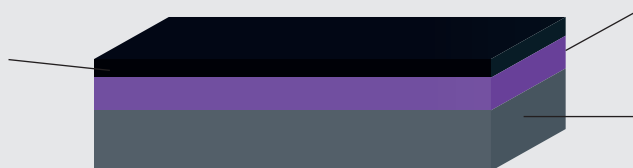
3

DEMMELEER's proprietary hardening process

Plasma nitriding is carried out in DEMMELEER's own facilities. We control, monitor and continuously optimise all key process parameters ourselves. This enables the material and heat treatment to be precisely matched to one another.

Post-oxidation

Additional corrosion protection and a distinctive surface finish



Plasma-nitrided surface layer

High surface hardness and improved wear resistance

DEMMELEER Special Materials

Specially manufactured tool steel for high base hardness and stability



DemontXBlack 890

For the most demanding applications

The most powerful DemontXBlack model for demanding applications, heavy loads and intensive continuous use.



DemontXBlack 760

The robust solution for everyday use

High durability, reliable surface protection and a long service life for everyday professional manufacturing.



OUR PERFORMANCE
makes THE DIFFERENCE

HIGH HARDNESS. LESS WEAR. LONG-LASTING PRECISION.

It is the combination of specialised materials, in-house manufacturing and an optimised hardening process that makes all the difference.

Precision through well-controlled processes

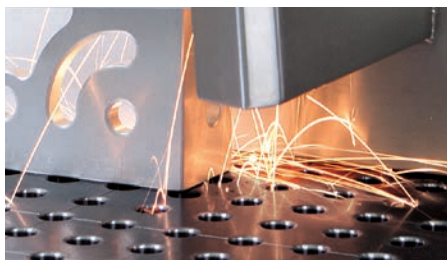
Plasma nitriding is carried out at comparatively low processing temperatures and therefore causes very little distortion. However, the key lies in mastering the entire process chain: from precise machining and specially selected tool steel to the optimised parameters of our own plasma nitriding systems. Following manufacture and surface treatment, the welding tables are carefully inspected in air-conditioned inspection rooms. In this way, we ensure that the high basic quality achieved during manufacture is maintained in the finished product.

Quality assurance
in the climate chamber



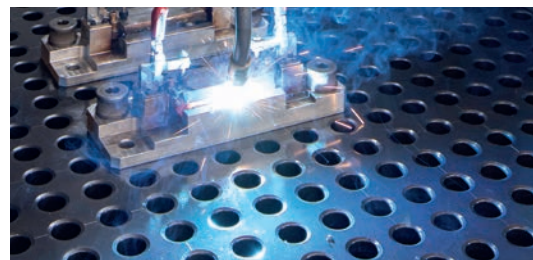
Durable surface

The carefully balanced combination of tool steel and the DemontXBlack hardening process produces an exceptionally hard and durable surface. It protects the welding table from scratches, nicks and premature wear.



Reduced adhesion of weld spatter

The treated surface reduces the build-up of weld spatter. Residue is easier to remove, the cleaning effort is reduced and the work surface remains operational for longer.



Improved corrosion protection

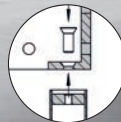
The final post-oxidation treatment provides additional protection against moisture and environmental factors. This ensures that the surface remains protected for longer, even under demanding manufacturing conditions.

Comparison of materials

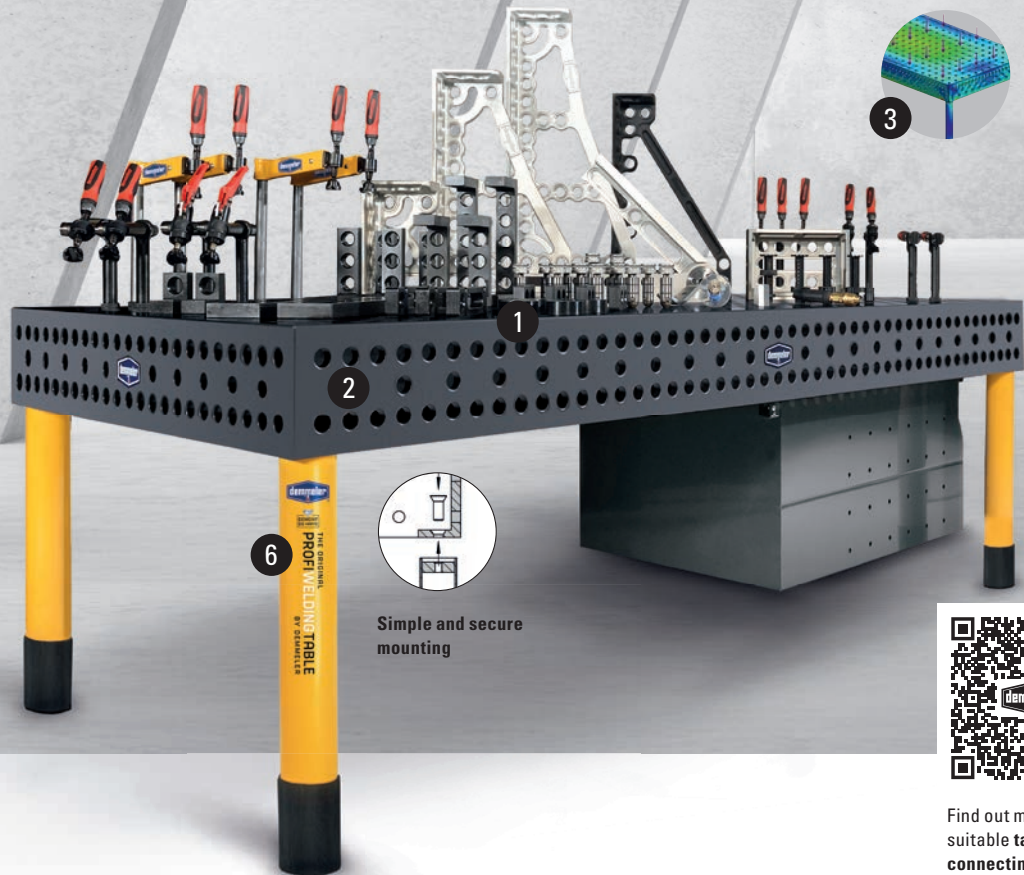
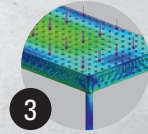
	<i>DemontXBlack 890</i>	<i>DemontXBlack 760</i>	SOLID
Surface hardness	outstanding	very high	solid
Base hardness	outstanding	high	solid
Durability	for the most demanding conditions	for intensive use	for standard applications
Protection against weld spatter	significantly reduced	significantly reduced	fundamental
Corrosion protection	enhanced	enhanced	fundamental
Long-term durability	outstanding	very high	high
Service life	for maximum service life	particularly durable	durable



Pivoting leg with sturdy M30x2 (System D28), M28x2 (System D22) or M24x2 (System D16) threaded spindle, travel 30 mm finely adjustable.



Simple and secure mounting

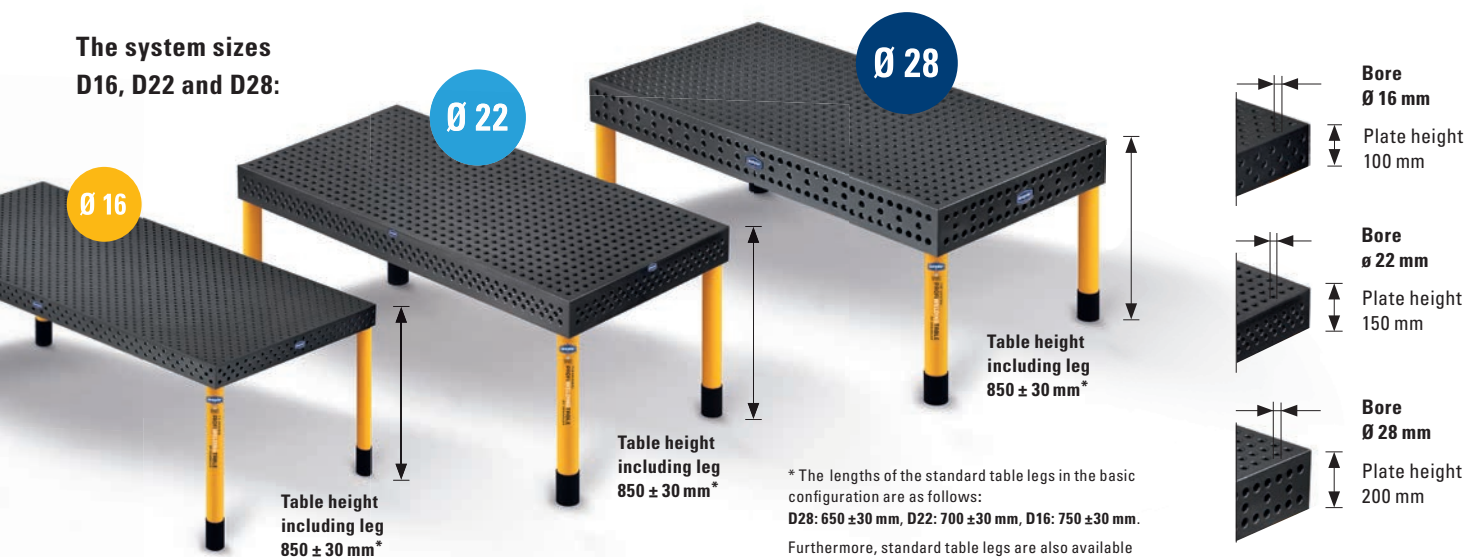


Find out more about suitable table legs and connecting elements online too.

The ideal 3D welding table for every application. Top features for even greater efficiency when welding.

Positioning your workpiece correctly not only enables you to work with greater precision, but also significantly more efficiently. Above all, the intelligent system grids and the flexible, well-designed range of clamping tools offer you unlimited clamping options. Products from the original DEMMELE 3D clamping system stand out for their extreme robustness and durability. **Our 3D welding tables achieve the best surface properties thanks to the specially optimised DemontXBlack hardening process. This makes them even more resilient and durable.**

The system sizes D16, D22 and D28:



* The lengths of the standard table legs in the basic configuration are as follows:
D28: 650 ± 30 mm, D22: 700 ± 30 mm, D16: 750 ± 30 mm.
Furthermore, standard table legs are also available in the following lengths:
D28: 750 ± 30 mm, D22: 800 ± 30 mm and D16: 750 ± 30 mm.



Don't compromise on your welding table and accessories. Choose the original from DEMMELE.

1 For the toughest requirements

When using the 3D clamping system, the optimum flow of electricity between the electrode/filler wire and earth connection is vitally important for the welding results. That is why DEMMELE optimises the material properties of its welding tables and accessories and guarantees outstanding precision for optimum form fits.

2 Flexible clamping

Additional bores in the side posts for even more clamping options. For all D28 system ranges, three-row bore pattern on the table side plates, 50 mm grid in the top and bottom rows, additional 100 mm grid in the centre.

3 Highly durable

All of our welding tables are generously sized, super sturdy and generally optimised with FEM calculations.

4 No risk of catching or trapping

The leg sleeve prevents pinching and reduces wear of the tube assembly. It also protects the threaded spindle against dirt and wear. Fine adjustments are possible and fixing is stable and simple (M 30 x 2).

5 Precision work made easy

With coordinate marking of the bores in the X and Y directions and precision scaling.

6 Extremely solid for the highest loads

For the highest loads – 3000 kg per leg.

THE tough ones from DEMMELE – for the toughest requirements

- ▶ Reduced wear
- ▶ Protection against weld spatter adhesion
- ▶ Extremely robust and durable



The system grids for the system sizes

For everyday and large-scale welded structures



D28 PROFIPremiumLINE (PP)

- Grid: 50 x 50 mm
- 3-row bore pattern on the table side plates, 50 mm grid in the top and bottom rows, plus a 100 mm grid in the middle



D28 PROFIPlusLINE (PL)

- Diagonal grid 100 x 100 mm
- 3-row bore pattern on the table side plates, 50 mm grid in the top and bottom rows, plus a 100 mm grid in the middle



D28 PROFIEcoLINE (PE)

- Grid 100 x 100 mm
- 3-row bore pattern on the table side plates, 50 mm grid in the top and bottom rows, plus a 100 mm grid in the middle



D28 HobbyLINE (H)

- Grid 100 x 100 mm
- Worktop approx. 25 mm high with system bores in a grid of 100 mm x 100 mm

For light and medium-duty applications



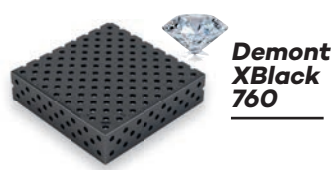
D22 PROFIPremiumLINE (PP)

- Grid 50 x 50 mm
- 3-row bore pattern on the table side panels, diagonal grid 50 x 50 mm



D22 PROFIPlusLINE (PL)

- Diagonal grid 100 x 100 mm
- 2-row bore pattern on the table side plates, 50 mm grid



D16 PROFIPlusLINE (PL)

- Diagonal grid 50 x 50 mm
- 3-row bore pattern on the table side plates, 50 mm grid in the top, middle and bottom rows



D16 PROFIEcoLINE (PE)

- 50 x 50 mm grid
- 3-row bore pattern on the table side plates, 50 mm grid in the top, middle and bottom rows

The 3D welding tables from the D28 system series. Our bestsellers – functional and versatile.

D28

DEMMELE® 3D WELDING TABLE PROFIplusLINE (PL) 28



Plate height
200 mm

- Worktop with D28 system bores in a 100 x 100 mm double grid
- 3-hole drilling pattern in the table side plates, 50 mm grid in the top and bottom rows with an additional 100-mm grid in the middle
- Table sizes optionally available in hardened version, DemontXBlack 760 and DemontXBlack 890
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y directions



From
€ 2,198.30*



SOLID

DemontXBlack 760

DemontXBlack 890

TABLE SIZE
L X WTABLE
WITH STANDARD LEGTABLE HARDENED DXB 760
WITH STANDARD LEGTABLE HARDENED DXB 890
WITH STANDARD LEG

TABLE SIZE L X W	TABLE WITH STANDARD LEG	TABLE HARDENED DXB 760 WITH STANDARD LEG	TABLE HARDENED DXB 890 WITH STANDARD LEG
1000 x 1000 mm	PL28-01001-001 € 2,198.30* € 2,314	PL28-01001-011 € 2,390.20* € 2,516	PL28-01001-021 € 2,799.65* € 2,947
1200 x 800 mm	PL28-11019-001 € 2,198.30* € 2,314	PL28-11019-011 € 2,390.20* € 2,516	PL28-11019-021 € 2,799.65* € 2,947
1500 x 1000 mm	PL28-01011-001 € 3,054.25* € 3,215	PL28-01011-011 € 3,326.90* € 3,502	PL28-01011-021 € 3,816.15* € 4,017
1200 x 1200 mm	PL28-01056-001 € 2,820.55* € 2,969	PL28-01056-011 € 3,203.40* € 3,372	PL28-01056-021 € 3,512.15* € 3,697
1500 x 1500 mm	PL28-01031-001 € 4,191.40* € 4,412	PL28-01031-011 € 4,560.95* € 4,801	PL28-01031-021 € 4,994.15* € 5,257
2000 x 1000 mm	PL28-01002-001 € 3,697.40* € 3,892	PL28-01002-011 € 4,055.55* € 4,269	PL28-01002-021 € 4,486.85* € 4,723
2000 x 2000 mm	PL28-01006-001 € 6,265.25* € 6,595	PL28-01006-011 € 6,992.95* € 7,361	PL28-01006-021 € 7,777.65* € 8,187
2400 x 1200 mm	PL28-01003-001 € 4,258.85* € 4,483	PL28-01003-011 € 5,121.45* € 5,391	PL28-01003-021 € 5,757.00* € 6,060
3000 x 1500 mm	PL28-01004-001 € 6,247.20* € 6,576	PL28-01004-011 € 7,240.90* € 7,622	PL28-01004-021 € 8,018.95* € 8,441
4000 x 2000 mm	PL28-01005-001 € 9,678.60* € 10,188	PL28-01005-011 € 10,978.20* € 11,556	PL28-01005-021 € 12,754.70* € 13,426
4800 x 2400 mm	PL28-11085-001 € 12,779.40* € 13,452	PL28-11085-011 € 14,994.80* € 15,784	PL28-11085-021 € 18,227.65* € 19,187

Custom sizes available on request! The table can also be supplied in stainless steel on request! *Promotional prices are valid until 31 December 2026. Prices exclude packaging and transport costs. Errors and changes reserved. Offer subject to change. Prices are net ex works, plus statutory VAT.



Various leg versions can be configured for system size D28, depending on the application



- 1 Standard base**
Pivoting leg, 650 ±30 mm
(Optional: length 750 ±30 mm)
- 2 Telescopic leg**
Pivoting leg, finely adjustable
by ±30 mm

- 3 Heavy-duty castor**
Fine adjustment ±30 mm,
load capacity max. 600 kg

- 4 Anchoring foot**
Fine adjustment ±30 mm,
for secure fixing to the hall
floor to resist tension, com-
pression and displacement

- 5 Scissor lift**
Continuously adjustable
height





3D welding tables from DEMMELE.
Well-equipped.



From
€ 2,054.85*



D28
DEMMELE® 3D WELDING TABLE
ProfiEcoLINE (PE) 28



↓ Plate height
200 mm
↑

- Worktop with D28 system bores in a **100 x 100 mm grid**
- 3-hole drilling pattern in the table side plates, **50 mm grid in the top and bottom rows with an additional 100-mm grid in the middle**
- Table sizes optionally available in hardened version, **DemontXBlack 760 and DemontXBlack 890**
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y directions

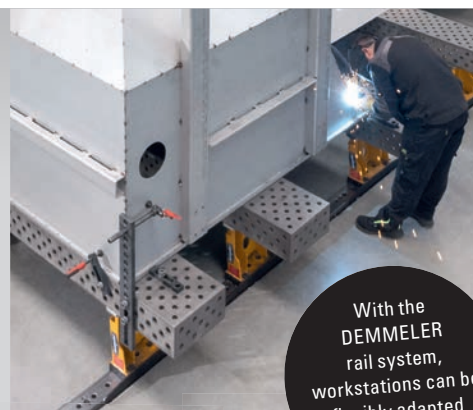
TABLE SIZE L X W	SOLID TABLE WITH STANDARD LEG	DemontXBlack 760 TABLE HARDENED DXB 760 WITH STANDARD LEG	DemontXBlack 890 TABLE HARDENED DXB 890 WITH STANDARD LEG
1000 x 1000 mm	PE28-01001-001 € 2,098.55* € 2,209	PE28-01001-011 € 2,140.35* € 2,253	PE28-01001-021 € 2,521.30* € 2,654
1200 x 800 mm	PE28-11019-001 € 2,054.85* € 2,163	PE28-11019-011 € 2,122.30* € 2,234	PE28-11019-021 € 2,521.30* € 2,654
1500 x 1000 mm	PE28-01011-001 € 2,709.40* € 2,852	PE28-01011-011 € 3,018.15* € 3,177	PE28-01011-021 € 3,696.45* € 3,891
1200 x 1200 mm	PE28-01056-001 € 2,585.90* € 2,722	PE28-01056-011 € 2,882.30* € 3,034	PE28-01056-021 € 3,252.80* € 3,424
1500 x 1500 mm	PE28-01031-001 € 3,412.40* € 3,592	PE28-01031-011 € 4,029.90* € 4,242	PE28-01031-021 € 4,770.90* € 5,022
2000 x 1000 mm	PE28-01002-001 € 2,945.95* € 3,101	PE28-01002-011 € 3,480.80* € 3,664	PE28-01002-021 € 4,193.30* € 4,414
2000 x 2000 mm	PE28-01006-001 € 5,301.95* € 5,581	PE28-01006-011 € 6,228.20* € 6,556	PE28-01006-021 € 7,515.45* € 7,911
2400 x 1200 mm	PE28-01003-001 € 3,685.05* € 3,879	PE28-01003-011 € 4,520.10* € 4,758	PE28-01003-021 € 5,338.05* € 5,619
3000 x 1500 mm	PE28-01004-001 € 5,533.75* € 5,825	PE28-01004-011 € 6,716.50* € 7,070	PE28-01004-021 € 7,703.55* € 8,109
4000 x 2000 mm	PE28-01005-001 € 8,559.50* € 9,010	PE28-01005-011 € 10,152.65* € 10,687	PE28-01005-021 € 11,949.10* € 12,578
4800 x 2400 mm	PE28-11085-001 € 12,206.55* € 12,849	PE28-11085-011 € 13,732.25* € 14,455	PE28-11085-021 € 16,688.65* € 17,567

The standard table legs in the basic configuration are 650 mm ±30 mm in length.
Standard table legs are also available in a length of 750 mm ±30 mm.

6 Table leg for spacer block
Connecting element between the U-shaped spacer block or 3D welding table and the support and base rail

7 Sliding leg with castors
Moving assembled system components without the use of a hoist or crane

8 Connecting frames
Precise positioning of 3D work tables



With the
DEMMELE
rail system,
workstations can be
flexibly adapted
as required.



Find out more about the
different leg versions
and connecting
elements online too.

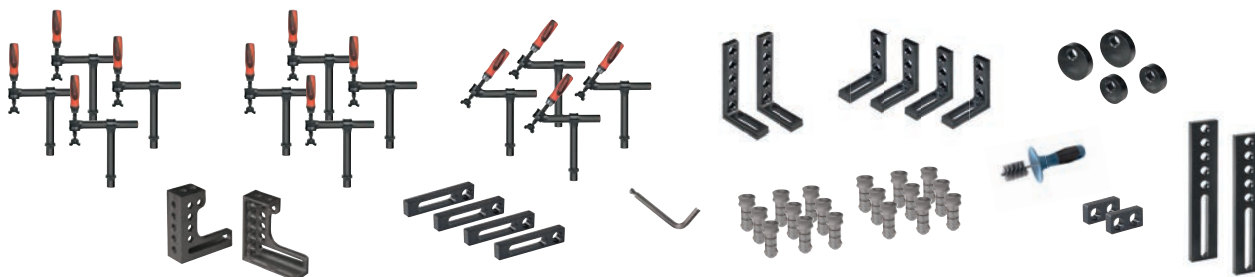


As starter sets or as add-ons.

A selection of clamping accessories in a set.

D28 D28PROFIEcoLINE Set 720

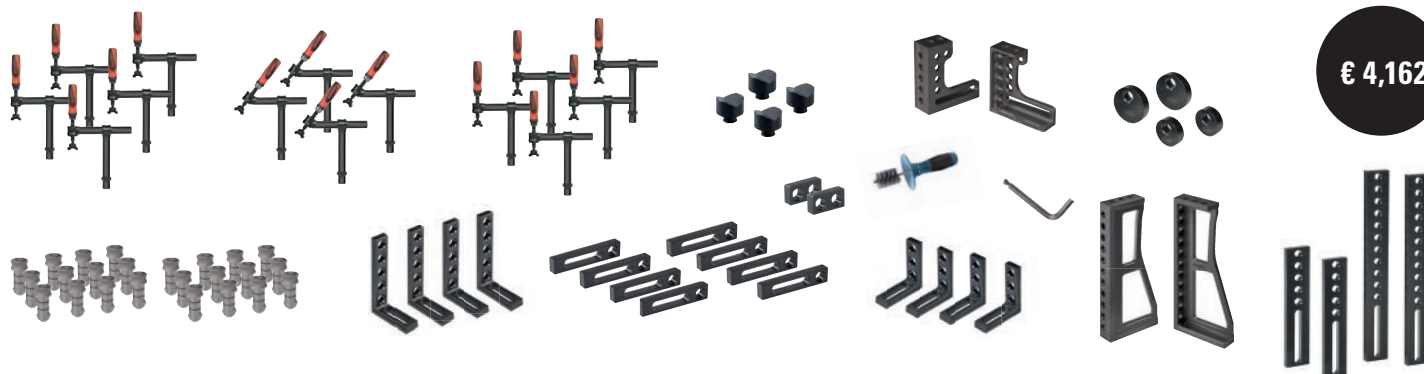
Item no.: E28-52000-720 (52-piece set)



€ 2,777

D28 D28PROFIEcoLINE Set 730

Item no.: E28-52000-730 (74-piece set)

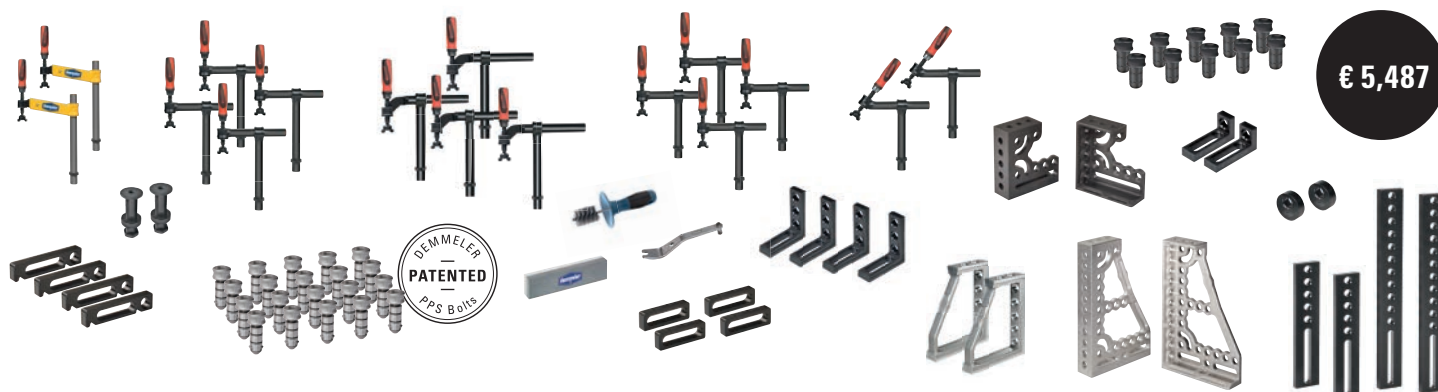


€ 4,162

D28 D28PROFIPremiumLINE Set 720

With PPC bolts

Item no.: P28-52000-720 (77-piece set)



€ 5,487



Sets with
PC bolts

Sets are also available with PC bolts instead of EcoLINE bolts. Surcharge for sets with PC bolts:

→ Set E721: Item no. E28-52000-721 € 412 | Set E731: Item No. E28-52000-731 € 549



Sets with
PPC bolts

Sets are also available with PPC bolts instead of EcoLINE bolts. Surcharge for sets with PPC bolts:

→ Set E722: Item no. E28-52000-722 € 505 | Set E732: Item No. E28-52000-732 € 674



E 720	E 730	P 720	Details of the set contents		Single Price
	4		D28-05015-000	Sliding stop D28, L150	€ 26.60
2	2		E28-05002-000	Universal stop D28 PE small, L100	€ 22.90
8	4		E28-05001-000	Universal stop D28 PE, large, L225	€ 38.60
	4		D28-05001-010	Universal stop D28 large, L225, two notches	€ 56.80
	2		D28-07009-011	45° variable screw clamp D28, L350, spindle	€ 68.90
4	4		D28-07009-000	45° variable screw clamp D28, L270, spindle	€ 61.60
	4		D28-07005-033	180° screw clamp D28, L500, spindle	€ 97.90
	4		D28-07005-014	180° screw clamp D28, L350, spindle	€ 77.40
10	8		D28-07005-000	180° screw clamp, D28, L270, spindle	€ 71.20
1	1	1	D28-10002-000	D28 round brush, splash guard	€ 23.60
	4		D28-09003-000	V-block holder D28, Ø 58 mm	€ 30.30
	20		D28-06025-000	PPC bolt D28, short, SW14	€ 55.90
	4		D28-07009-033	D28 performance clamp, L270, spindle	€ 82.20
	1		D00-10016-001	Assembly lever, L250, SW14	€ 61.30
1	1		D28-10008-005	Hex key SW8, ball head	€ 10.80
24	18		E28-06001-000	EcoLINE bolt D28, short, SW8	€ 27.80
	2		D28-07002-000	Compensating screw clamp D28 200, L350, spindle	€ 88.20
	2		D28-09001-005	Support set with thread D28, 22–105 mm, infinitely adjustable	€ 50.70
2	2		D28-05013-000	Stop disc D28, Ø 75 mm	€ 22.90
2	2	2	D28-05013-001	Stop disc D28, Ø 100 mm	€ 24.10
2	2		D28-05003-001	Stop bar D28, L800	€ 88.20
2	2	2	D28-05003-000	D28 stop bar, L500	€ 66.50
	1		P28-03003-002	D28 PP 600 locating and clamping angle, right, aluminium titanium	€ 404.70
	1		P28-03003-003	Locating and clamping angle D28 PP 600, left, aluminium titanium	€ 404.70
	1		P28-03002-000	Locating and clamping angle D28 PP 300, right	€ 216.30
	1		P28-03002-001	Locating and clamping angle D28 PP 300, left	€ 216.30
	2		PP28-03001-017	Locating and clamping angle D28 PL, L300, aluminium titanium	€ 119.60
4	4	4	PE28-03001-000	Locating and clamping angle D28 PL, L175, bore / oblong hole	€ 91.80
	2		D28-03001-005	Locating and clamping angle D28 PL small, L175, Bore / oblong hole	€ 68.90
4	2		PE28-03008-000	Locating and clamping angle D28 PL, large, L275, bore / oblong hole	€ 107.50
1	1		PL28-03002-000	Locating and clamping angle D28 PL 300, right	€ 216.30
1	1		PL28-03002-001	Locating and clamping angle D28 PL 300, left	€ 216.30
1			PE28-03003-000	Locating and clamping angle D28 PE 600, right	€ 204.20
1			PE28-03003-001	Locating and clamping angle D28 PE 600, left	€ 204.20
10			D28-06009-000	D28 stop and positioning bolt	€ 18.20
1			D00-10007-000	Whetstone, L200, double-sided coarse/fine	€ 19.30

DEMMELE welding and clamping systems are modular and flexible. All sets and accessories can be used on any of the 3D welding tables within the system sizes. Furthermore, you can customise or expand your sets using the large range of DEMMELE accessories! You can find the DEMMELE MAIN CATALOGUE at www.demmeler.com.

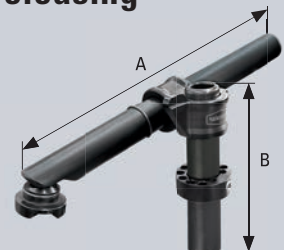
NEW



**IDEAL FOR USE IN
ROBOTIC WELDING**

The new tube clamping
technology from DEMMELE®

**Multi-RST –
Lightning-fast
clamping and
releasing**



D28 DEMMELE® Multi-RST

- Very low-profile design, meaning there are no interfering edges in the working area
- Secure and lightning-fast clamping and releasing
- Patent pending
- Individual parts are interchangeable
- A 270 mm, B 200 mm

Item no.: 00231192

€ 149.⁸⁰





The 3D welding tables from the D22 system series – for straightforward and moderately difficult applications

D22

DEMMELE® 3D WELDING TABLE PROFIPremiumLINE (PL) 22

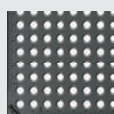


Plate height
150 mm

- Worktop with D22 system bores in a **50 x 50 mm grid**
- 3-row bore pattern on the table side plates in **50 x 50 mm diagonal grid**
- Table sizes optionally available in hardened version, **DemontXBlack 760**
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y directions



From
€ 1,977.90*



SOLID

DemontXBlack 760

TABLE SIZE
L X WTABLE
WITH STANDARD LEGTABLE HARDENED DXB 760
WITH STANDARD LEG

1000 x 1000 mm

PP22-01001-001

€ 1,977.90*
€ 2,082

PP22-01001-011

€ 2,251.50*
€ 2,370

2000 x 1000 mm

PP22-01002-001

€ 2,724.60*
€ 2,868

PP22-01002-011

€ 3,264.20*
€ 3,436

2400 x 1200 mm

PP22-01003-001

€ 3,473.20*
€ 3,656

PP22-01003-011

€ 4,191.40*
€ 4,412

3000 x 1500 mm

PP22-01004-001

€ 5,097.70*
€ 5,366

PP22-01004-011

€ 6,163.60*
€ 6,488

Special sizes available upon request! The table is also available in a stainless steel version on request.

D22

DEMMELE® 3D WELDING TABLE PROFIPlusLINE (PL) 22

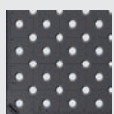


Plate height
150 mm

- Worktop with D22 system bores in a **100 x 100 mm diagonal grid**
- Two-row bore pattern on the table side plates with D22 system bores in a **50 mm grid**
- Table sizes optionally available in hardened version, **DemontXBlack 760**
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y directions



From
€ 1,632.10*



SOLID

DemontXBlack 760

TABLE SIZE
L X WTABLE
WITH STANDARD LEGTABLE HARDENED DXB 760
WITH STANDARD LEG

1000 x 1000 mm

PL22-01001-001

€ 1,632.10*
€ 1,718

PL22-01001-011

€ 1,856.30*
€ 1,954

2000 x 1000 mm

PL22-01002-001

€ 2,424.40*
€ 2,552

PL22-01002-011

€ 2,912.70*
€ 3,066

2400 x 1200 mm

PL22-01003-001

€ 3,089.40*
€ 3,252

PL22-01003-011

€ 3,725.90*
€ 3,922

3000 x 1500 mm

PL22-01004-001

€ 4,534.35*
€ 4,773

PL22-01004-011

€ 5,729.45*
€ 6,031

Special sizes available upon request! The table is also available in a stainless steel version on request.

Various leg versions are available for this D22 system size



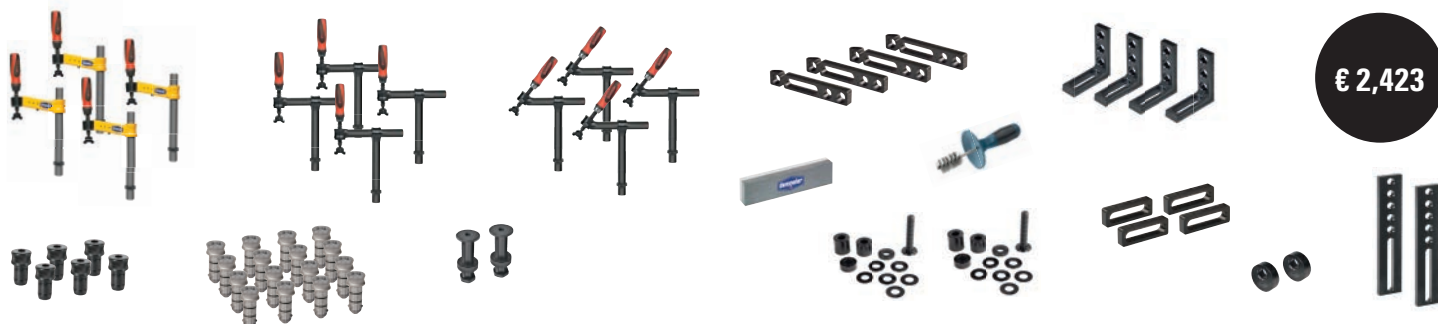
- Standard table leg, length 700 ± 30 mm (optional: length 800 ± 30 mm)
- Telescopic leg (standard leg) with sturdy M28 x 2 threaded spindle, finely adjustable by ± 30 mm
- Heavy-duty castor
- Anchoring leg

*Promotional prices are valid until 31 December 2026.
Prices exclude packaging and delivery costs.
We reserve the right to correct errors and make changes.
This offer is subject to change.
Prices are net ex works, plus statutory VAT.

Selected clamping accessories in a set. As starter sets or as extensions.

D22 D22 PROFiPlusLINE Set 720

Item no.: D22-52000-720 (56-piece)

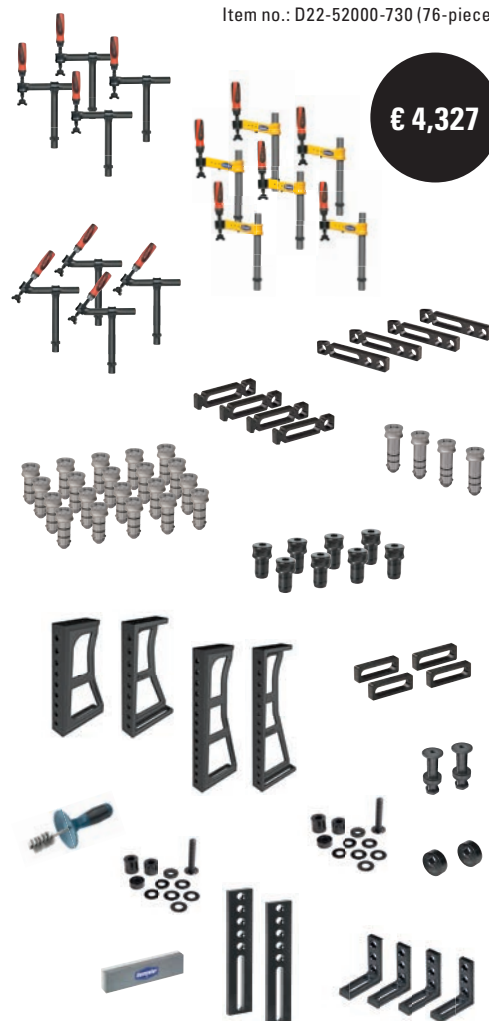


€ 2,423

	D 720	D 730	Set components in detail		Unit price
	1		PE22-03003-000	Locating and clamping angle D22 PE 500, right	€ 300.90
	1		PE22-03003-001	Locating and clamping angle D22 PE 500, left	€ 300.90
	1		PE22-03004-000	Locating and clamping angle D22 PE 750, right	€ 361.30
	1		PE22-03004-001	Locating and clamping angle D22 PE 750, left	€ 361.30
	16	20	E22-06025-000	EcoLINE bolt D22, short, WAF 6	€ 25.40
	4		E22-06026-000	EcoLINE bolt D22, long, WAF 6	€ 31.40
	6	8	D22-06009-000	D22 stop and positioning bolt	€ 15.70
	2	2	D22-09001-005	Support set with thread D22, 22–100 mm, continuously variable	€ 46.00
	2	2	D22-05013-000	Stop disc D22, dia. 75 mm	€ 21.80
	2	2	D22-09001-000	11-piece support set D22, 5–100 mm	€ 53.10
	4	4	D22-05015-000	Sliding stop D22, L150	€ 22.90
	4	4	D22-05001-000	D22 large universal stop, L225	€ 42.30
	4	4	D22-05009-000	Universal stop D22 L300	€ 54.50
	4	4	PE22-03001-000	Locating and clamping angle D22 PL, L175, bore/oblong hole	€ 83.30
	2	2	D22-05003-000	Stop bar D22, L500	€ 61.60
	4	4	D22-07009-000	Variable screw clamp 45° D22, L300, spindle	€ 62.80
	4	4	D22-07005-000	Screw clamp 180° D22, L300, spindle	€ 66.50
	4	6	D22-07001-000	Compensating screw clamp D22, L300, spindle	€ 79.70
	1	1	D22-10002-000	Round brush D22, splash guard	€ 22.40
	1	1	D00-10007-000	Bench stone, L200, two-sided rough/fine	€ 19.30

D22 D22 PROFiPlusLINE Set 730

Item no.: D22-52000-730 (76-piece)



€ 4,327



Sets with
PPC bolts

Sets also available with PPC bolts instead of EcoLINE bolts. Surcharge for sets with PPC bolts:

→ Set D721: Item no. D22-52000-721 € 398 | Set D731: Item no. D22-52000-731 € 628



The 3D welding tables from the D16 system series – for delicate applications

D16

DEMMELE® 3D WELDING TABLE PROFIPlusLINE (PL) 16

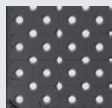


Plate height
100 mm

- Worktop with D16 system bores in a **50 x 50 mm double grid**
- Three-row bore pattern on the table side plates, **50 mm grid in the top, middle and bottom rows**
- Table sizes optionally available in hardened version, **DemontXBlack 760**
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y directions

Special sizes available upon request! The table is also available in a stainless steel version on request.

¹Consists of 2x 1500 x 1500 x 100 mm.



From
€ 1,280.60*



SOLID

DemontXBlack 760

TABLE SIZE
L X WTABLE
WITH STANDARD LEGTABLE HARDENED DXB 760
WITH STANDARD LEG

1000 x 500 mm

PL16-01000-001

€ 1,280.60*
€ 1,348

PL16-01000-011

€ 1,378.45*
€ 1,451

1000 x 1000 mm

PL16-01001-001

€ 1,777.45*
€ 1,871

PL16-01001-011

€ 1,935.15*
€ 2,037

1200 x 800 mm

PL16-11019-001

€ 1,718.55*
€ 1,809

PL16-11019-011

€ 1,877.20*
€ 1,976

1200 x 1200 mm

PL16-01056-001

€ 2,047.25*
€ 2,155

PL16-01056-011

€ 2,237.25*
€ 2,355

1500 x 1000 mm

PL16-01017-001

€ 2,445.30*
€ 2,574

PL16-01017-011

€ 2,642.90*
€ 2,782

1500 x 1500 mm

PL16-01011-001

€ 3,171.10*
€ 3,338

PL16-01011-011

€ 3,527.35*
€ 3,713

2000 x 1000 mm

PL16-01002-001

€ 2,969.70*
€ 3,126

PL16-01002-011

€ 3,259.45*
€ 3,431

2400 x 1200 mm

PL16-01003-001

€ 4,189.50*
€ 4,410

PL16-01003-011

€ 4,565.70*
€ 4,8063000 x 1500 mm¹

PL16-01004-001

€ 6,147.45*
€ 6,471

PL16-01004-011

€ 6,861.85*
€ 7,223

D16

DEMMELE® 3D WELDING TABLE ProfiEcoLINE (PE) 16

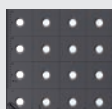


Plate height
100 mm

- Worktop with D16 system bores in a **50 x 50 mm grid**
- Three-row bore pattern on the table side plates, **50 mm grid in the top, middle and bottom rows**
- Table sizes optionally available in hardened version, **DemontXBlack 760**
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y directions

Special sizes available upon request! The table is also available in a stainless steel version on request.

¹Consists of 2x 1500 x 1500 x 100 mm.



From
€ 1,102.95*



SOLID

DemontXBlack 760

TABLE SIZE
L X WTABLE
WITH STANDARD LEGTABLE HARDENED DXB 760
WITH STANDARD LEG

1000 x 500 mm

PE16-01000-001

€ 1,102.95*
€ 1,161

PE16-01000-011

€ 1,200.80*
€ 1,264

1000 x 1000 mm

PE16-01001-001

€ 1,520.95*
€ 1,601

PE16-01001-011

€ 1,664.40*
€ 1,752

1200 x 800 mm

PE16-11019-001

€ 1,425.95*
€ 1,501

PE16-11019-011

€ 1,672.95*
€ 1,761

1200 x 1200 mm

PE16-01056-001

€ 1,948.45*
€ 2,051

PE16-01056-011

€ 2,031.10*
€ 2,138

1500 x 1000 mm

PE16-01017-001

€ 1,832.55*
€ 1,929

PE16-01017-011

€ 1,973.15*
€ 2,077

1500 x 1500 mm

PE16-01011-001

€ 2,615.35*
€ 2,753

PE16-01011-011

€ 2,860.45*
€ 3,011

2000 x 1000 mm

PE16-01002-001

€ 2,528.90*
€ 2,662

PE16-01002-011

€ 2,733.15*
€ 2,877

2400 x 1200 mm

PE16-01003-001

€ 3,565.35*
€ 3,753

PE16-01003-011

€ 3,685.05*
€ 3,8793000 x 1500 mm¹

PE16-01004-001

€ 4,914.35*
€ 5,173

PE16-01004-011

€ 5,116.70*
€ 5,386

Various leg versions are available for these system sizes



- Standard table leg, length 750 ± 30 mm (optional: lengths 850 ± 30 mm)
- Telescopic leg with sturdy M 24 x 2 threaded spindle, finely adjustable by ± 30 mm
- Heavy-duty castor
- Anchoring leg

*Promotional prices are valid until 31 December 2026.
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As starter sets or as add-ons. A selection of clamping accessories in a set.

D16 D16PROFIPlusLINE Set 255

Item no.: D16-52000-255 (87-piece set)

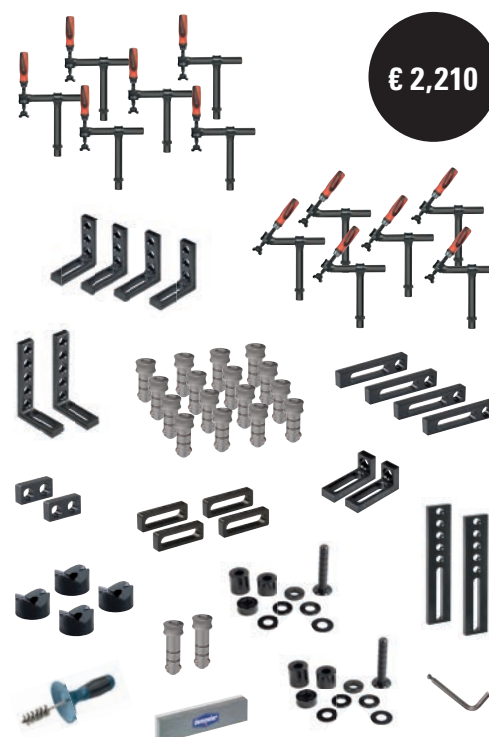


€ 4,085

	D 255	E 200		Details of the set contents	Single price
	4	4	D16-03001-000	D16 PL locating and clamping angle, L90, bore / oblong hole	€ 74.90
	2	2	D16-03001-002	Locating and clamping angle D16 PL small, L90, bore / oblong hole	€ 56.80
	4		D16-05002-000	Universal stop D16 small, L55	€ 21.80
	1		D16-03002-000	Locating and clamping angle D16 PL 200, right	€ 119.60
	1		D16-03002-001	Locating and clamping angle D16 PL 200, left	€ 119.60
	4	2	D16-03008-000	Locating and clamping angle D16 PL, large, L140, bore / oblong hole	€ 91.80
	8		D16-05001-004	Universal stop D16, large, L115	€ 41.10
	2		D16-05009-000	Universal stop D16, L165	€ 49.60
	2	4	D16-05015-000	Sliding stop, L150	€ 30.30
	20		D16-06001-000	PC bolt D16, short, SW8	€ 37.50
	2		D16-06002-000	PC bolt D16, long, SW8	€ 47.10
	4		D16-06009-000	Stop and positioning bolt D16	€ 13.30
	6		D16-07001-000	Compensating screw clamp D16, L250, spindle	€ 76.10
	4	6	D16-07005-000	180° screw clamp D16, L130, spindle	€ 59.20
	2		D16-07008-000	Variable screw clamp 90°, D16, L150, spindle	€ 38.60
	4	6	D16-07009-000	45° variable screw clamp, D16, L130, spindle	€ 51.90
	4	2	D16-09001-000	9-piece support set D16, 5–50 mm	€ 38.60
	2	4	D16-09003-000	V-block holder D16, Ø 80 mm	€ 36.30
	8		D16-09004-000	V-block holder D16, Ø 50 mm	€ 43.40
	16		E16-06001-000	EcoLINE bolt D16, short, SW5	€ 18.20
	2		E16-06002-000	EcoLINE bolt D16, long, SW5	€ 25.40
	4		E16-05001-000	Universal stop D16 PE, large, L115	€ 29.00
	2		E16-05002-000	Universal stop D16 PE, small, L55	€ 18.20
	1		E16-10008-000	Hex key SW5, ball head	€ 8.50
	2		D16-05003-000	Stop bar D16, L250	€ 46.00
	1	1	D16-10002-000	Round brush D16, splash guard	€ 21.20
	1	1	D00-10007-000	Whetstone, L200, double-sided coarse/fine	€ 19.30
	1		D16-10008-000	Hex key WAF 8, ball head	€ 8.50

D16 D16PROFIEcoLINE Set 200

Item no.: E16-52000-200 (59-piece set)



€ 2,210

DEMMELE welding and clamping systems are modular and flexible. All sets and accessories can be used on any of the 3D welding tables within the system sizes. Furthermore, you can customise or expand your sets using the large range of DEMMELE accessories! You can find the DEMMELE MAIN CATALOGUE at www.demmeler.com.



DEMMELE® base rail system: Maximum precision when welding with the greatest possible freedom

The versatility of the rail system allows you to flexibly extend or divide your work areas, thereby offering you significant advantages when dealing with varying component sizes or different work stages. Countless clamping options result from the combination of 3D welding tables, spacer brackets and accessories. The patented DEMMELE® sliding legs with castors can be easily moved along the DEMMELE® support and base rails and positioned with precision.

One system. Many benefits.



Top-quality manufacturing of components
through optional laser measurement of your rail system.



Flexible and modular
Combine all system components with your rail system. A precise bore grid from A to Z over large distances. Transfer the system's precision to your workpieces.



Accuracy
Optimal accuracy for your large components thanks to a flat clamping surface across the entire working area.



Efficient production process
The use of the sliding system also reduces set-up times for different component types. And with DEMMELE®'s extensive range of accessories, an infinite number of fixtures can be set up quickly and safely.



See the DEMMELE rail system in action at HUBER SE.

Unlimited expandability

Whether in mechanical engineering, vehicle manufacturing, steel construction or the construction of specialised plant – the DEMMELE® rail system combines the advantages of a modular 3D clamping system with a virtually unlimited working area. For maximum flexibility, efficiency and future-proofing in your manufacturing operations.



PRECISE

A consistent bore grid and a level installation surface ensure maximum accuracy.



FLEXIBLE

Above-ground or underground – perfectly integrated into your production facilities and accessible to pedestrians and vehicles.



MODULAR

The system grows with your needs – from a single-user solution to a large-scale system



Authorised distributor in your area.
**Planning, installation and handover –
all from a single source! Let us advise you.**

The DEMMELER® connecting
frame can be assembled in
both the longitudinal and
transverse directions.



adjustable

**Production
of components
up to a length
of 80 metres
and more!**

Maximum flexibility thanks to modular components

Using spacer brackets, guide carriages, sliding legs or connecting frames, customised clamping fixtures for a wide variety of workpieces can be created in no time at all. Tailored to your product range, a grid system can be installed in your production hall in any large size. Various installation options are available, such as above floor or below floor. The underfloor installation offers the advantage that the entire working area around the rail system remains accessible to pedestrians and vehicles. Our leg versions, tailored to the different rail types and requirements, provide a secure connection between the rail and the 3D clamping system.



Leg for spacer block

Connecting element between the U-shaped spacer block or 3D welding table and the support and base rail



Sliding leg with castors

Allows assembled system components to be moved without the use of hoists or cranes



Connecting frame

Enables precise positioning of 3D welding tables in both the longitudinal and transverse directions on the support and base rail



Guide carriage

- Structures can be moved even under load
- Secured against tipping by a profiled rail guide with a grip



Guide cartridge

- Structures can be moved even under load
- Very smooth-running thanks to ball bearings
- High bearing load thanks to robust construction



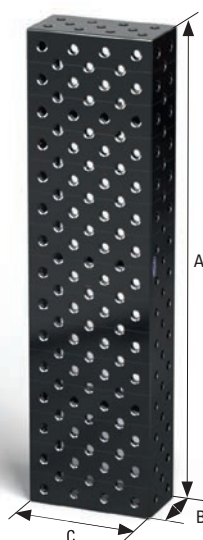
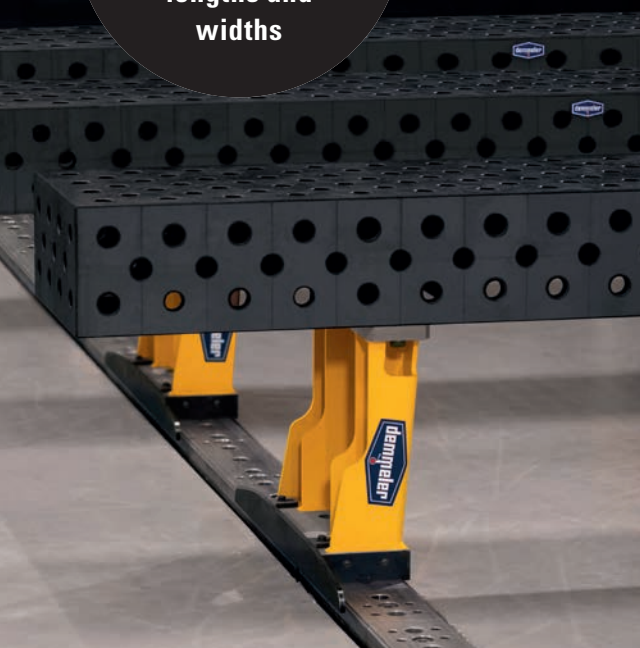
Increase the flexibility of your production. U-shaped spacer blocks grow with your requirements at.

Our U-shaped spacer blocks offer an endless range of applications. Whether used as a frame, a fixture, a table extension or as a modular component on a rail system – the possibilities are virtually endless.

Find out more about U-shaped spacer blocks, available in a wide range of sizes and designs, online too.



Modular
for use on the
rail system –
in various
lengths and
widths



Open page



Open page

Maximum freedom for perfect results

D28 U-shaped spacer block, diagonal grid, hardened, DemontXBlack 760

- For use as a table extension
- Clamping surfaces on five sides
- Diagonal grid 100 x 100 mm, with grid lines
- Ideal for use on a rail system in combination with D00-10017-xxx or for assembling a frame with D28-06003-000 connecting bushes
- Hardened DemontXBlack 760
- Further large sizes available in various designs and system sizes

Sample sizes

(1) 200 mm wide

- A 1500 mm, B 200 mm, C 200 mm
- Weight: approx. 150 kg

Item No.: D28-04002-502

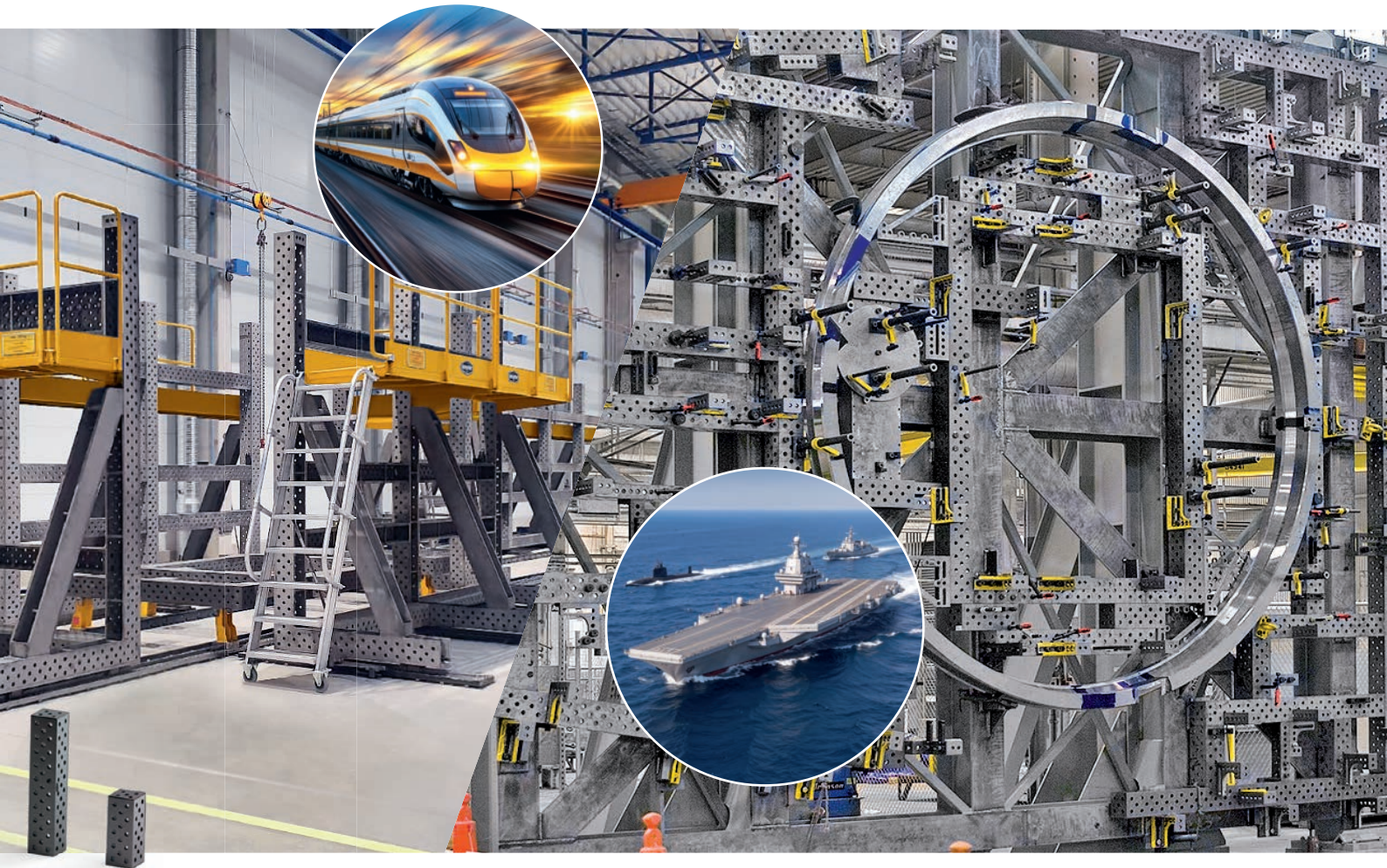
€ 1,240.00

(2) 400 mm wide

- A 1500 mm, B 400 mm, C 200 mm
- Weight: approx. 215 kg

Item no.: D28-04002-524

€ 2,158.00



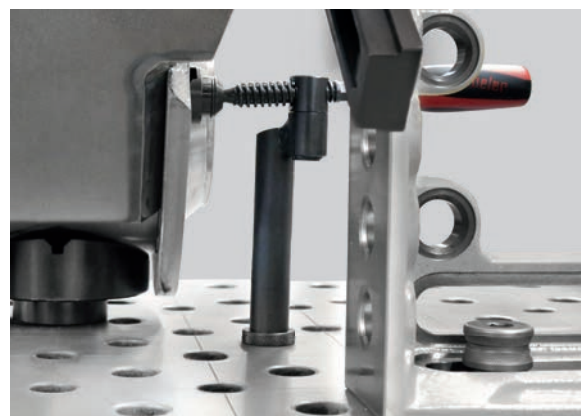
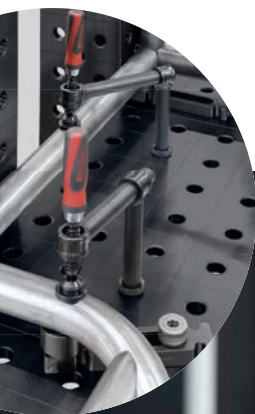
Lifting heavy loads – with scissor lifts for ergonomic working at the ideal height

In addition to the various table legs, we also offer solutions for particularly heavy components. Our scissor lift allows you to adjust the height of the welding and clamping table quickly and continuously. This enables every welding and assembly station to be raised or lowered to the appropriate working height, thereby adapting individually to different clamping requirements.

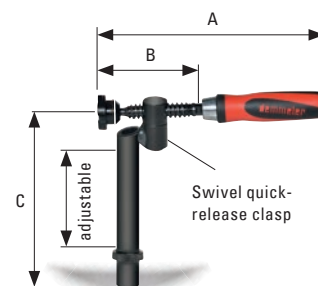
Designed to support loads of between 1 and 6 tonnes, depending on the table size, excluding the weight of the worktop.



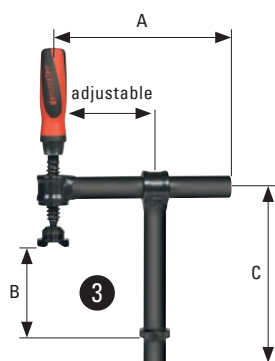
Ultimate versatility with products from DEMMELE



Pressing direction 90° relative to the system bore



For quick and precise clamping



D28 180° screw clamp with spindle

- With an adjustable, sturdy round tube; each tube can be used individually
- Complete clamping mechanism replaceable
- Replaceable clamping pad
- (1) A 220 mm, B 190 mm, C 270 mm,
- (2) A 220 mm, B 270 mm, C 350 mm
- (3) A 220 mm, B 420 mm, C 500 mm
- Weight: (1) 2.80 kg, (2) 3.10 kg, (3) 3.80 kg

(1) Max. span: 190 mm
Item no.: D28-07005-000
(2) Max. span: 270 mm
Item no.: D28-07005-014
(3) Max. span: 420 mm
Item no.: D28-07005-033

€ 71.²⁰

€ 77.⁴⁰

€ 97.⁹⁰

D28 90° variable screw clamp with spindle

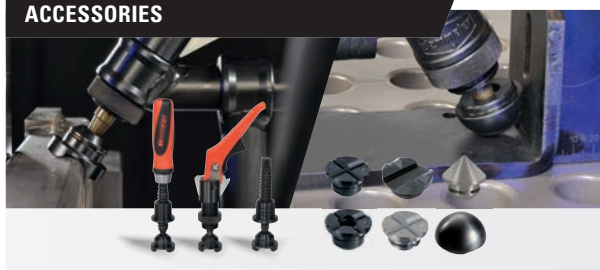
- Spindle stroke approx. 70 mm
- 180° quick-turn mechanism with ball lock in the joint
- With adjusting ring for height locking
- Clamping bridges can be used
- Replaceable clamping pad
- D28: A 250 mm, B 100 mm, C 220 mm
- D16: A 150 mm, B 40 mm, C 150 mm

D28:
Item no.: D28-07008-000
D16:
Item no.: D16-07008-000

€ 50.⁷⁰

€ 38.⁶⁰

ACCESSORIES



Configure your clamp –

From the length of the round tubes, through the type of actuator, to the choice of clamping pad.

You can find suitable accessories for screw clamps online at www.demmeler.com



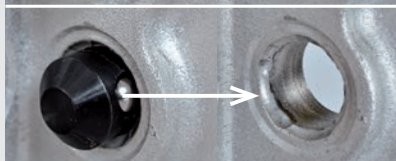
Original DEMMELER® PPS clamping bolts: Self-centring, form-fitting and gentle clamping



PPC bolt



ECO bolts



Comparison between ball clamping bolts and DEMMELER'S polygon bolts

Using the PPC bolt prevents serious damage to the bores, which can be caused by ball clamping bolts, for example, when used with aluminium titanium angle brackets.



No 2569548

PPC bolt,
short

D28 THE ORIGINAL – PATENTED – D22 PPC bolts D28 / D22

- Maximum clamping force with a large clamping stroke
- Polygonal expansion elements reduce the surface load
- Very fast clamping and releasing
- Force-fit clamping via surface contact
- Gentle on the material
- Clamping ranges (in mm):
PPS D28, short: 41–47 / PPS D28, long: 66–72
PPS D22, short: 31–34 / PPS D22, long: 49–52

PPC bolt D28, short
Item no.: D28-06025-000

€ 55.⁹⁰

PPC bolt D28, long
Item no.: D28-06026-000

€ 71.²⁰

PPC bolt D22, short
Item no.: D22-06025-000

€ 50.³⁰

PPC bolt D22, long
Item no.: D22-06026-000

€ 64.¹⁰



You can find our full range of tension bolts and further
information online at www.demmeler.com.

Three
functions –
one tool:
Clamping.
Releasing.
Clean.

Quick clamping and releasing of the PPC bolts

D28 Electric screwdriver with quick-change coupling for the PPC bolt and accessories

- Electric screwdrivers designed to fit the DEMMELER form-fitting positive-lock quick-release coupling
- The DEMMELER PROFI 3/8" quick-change coupling, suitable for PPC bolts with SW14
- Hardened reducing bushing from SW14 to SW13 for tightening and releasing the short spindle on screw clamps, etc.
- D28 cleaning brush attachment for efficient cleaning of the system bores

Item No.: D28-13050-000

€ 560.³⁰

scope of delivery:

- 1 cordless electric screwdriver including charger and two rechargeable batteries
- 1 D28 round brush attachment
- 1 quick-release coupling for PPC bolt D28
- 1 AF socket adapter from AF 14 to AF 13
- 1 complete assembly kit



1



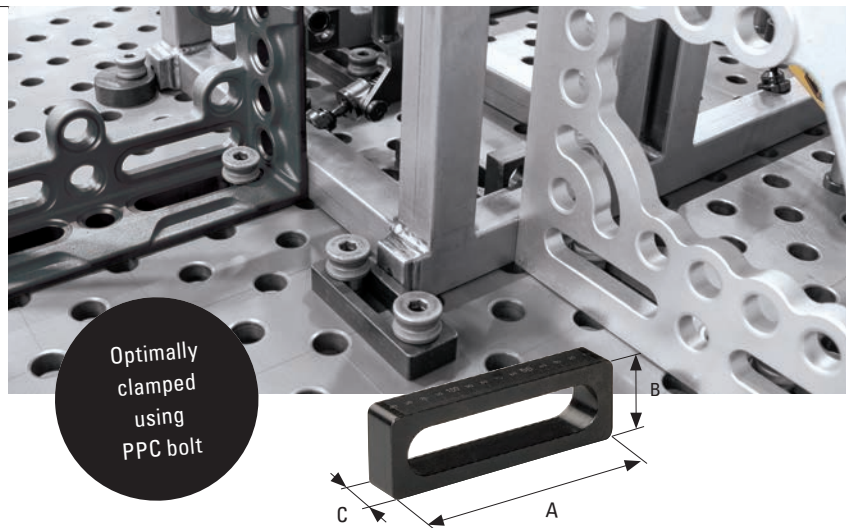
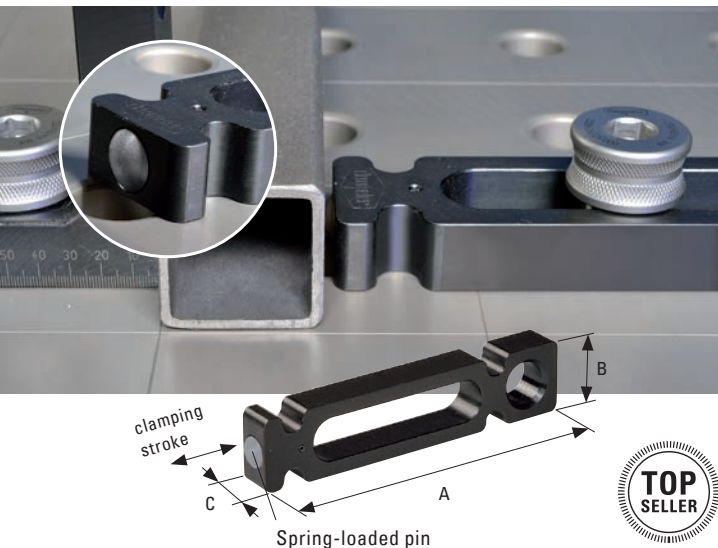
2



3

- 1 Safe and quick clamping and releasing of the patented PPC bolts with high torque.
- 2 Tightening and releasing the short spindle on screw clamps.
- 3 Easy and efficient maintenance of the system bore using a rotating round brush attachment.





Specifically designed for clamping sheet metal and moulded parts

D28 D16 Large universal stop – with pressure pin

- Combination of system bores and oblong holes, offering a wide range of clamping options
- Can be locked and secured using PC bolts in the table drilling pattern on five sides at 25 mm grids
- Can be positioned in 45° increments over 360°
- Also features spring-loaded bolts specifically for clamping sheet metal and moulded parts, thus eliminating the need for additional workpiece fixing
- Hardened steel (D28) or burnished steel (D16)
- D28: A 225 mm, B 50 mm, C 25 mm, weight: approx. 1.2 kg
- D16: A 115 mm, B 25 mm, C 12 mm, weight: approx. 0.14 kg
- Clamping stroke (D28): 3.5 mm / (D16): 2.0 mm

Large universal stop D28:
Item no.: D28-05001-001

€ 67.⁷⁰

Large universal stop, D16:
Item no.: D16-05001-001

€ 59.²⁰

Infinitely adjustable via an oblong hole

D28 D22 D16 sliding stop

- Precision scaling on both sides
- Infinitely adjustable
- Hardened steel (D28, D22) or burnished steel (D16)
- D28: A 150 mm, B 50 mm, C 25 mm, weight: approx. 0.9 kg
- D22: A 150 mm, B 50 mm, C 18 mm, weight: approx. 0.7 kg
- D16: A 150 mm, B 25 mm, C 12 mm, weight: approx. 0.18 kg

Sliding stop D28:
Item no.: D28-05015-000

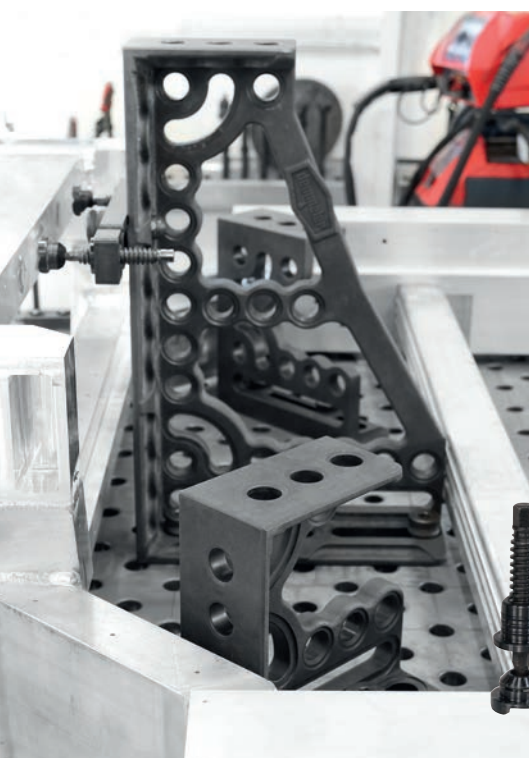
€ 26.⁶⁰

Sliding stop D22:
Item no.: D22-05015-000

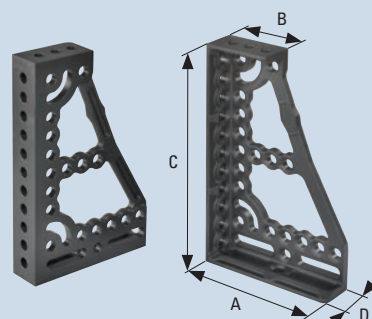
€ 22.⁹⁰

Sliding stop D16:
Item no.: D16-05015-000

€ 30.³⁰



A 90° kidney-shaped system groove allows for infinitely variable angle adjustments



right
P28-03003-000

left
P28-03003-001

Short spindle with bushing and clamping pad,
Item No.: D28-07022-000

€ 31.⁴⁰

D28 PP 600 locating and clamping angle, hardened cast iron

- Reinforcements in the corners and the kidney-shaped 90° system groove allow for infinitely variable angle adjustments
- Bore grid at 50 mm intervals, also on all sides of the angle
- Four stop and usable surfaces
- Hardened cast iron
- Weight: approx. 27.3 kg
- A 375 mm, B 180 mm, C 600 mm, D 100 mm

Item no.:
P28-03003-000 (right)
P28-03003-001 (left)

each € 312.⁹⁰



Time is money, so your tools must be within easy reach.



D16



You can find
more table
accessories
in all system
sizes online.



Mobile accessory carts in every system size

D28 D22 D16 accessory cart

- Keeps your workplace tidy and organised
- Quick access to system components
- Large angles are stowed safely and conveniently inside the trolley
- Easy to move thanks to four sturdy, 360° swivelling castors, one of which is lockable
- System components not included in the scope of delivery
- D28: L 1,000 mm, W 650 mm, H 1,010 mm, weight: approx. 60 kg
- D22: A 800 mm, B 503 mm, C 1,068 mm, weight: approx. 55 kg
- D16: A 600 mm, B 450 mm, C 870 mm, weight: approx. 35 kg

Accessory cart D28:
Item no.: D28-11001-000

€ 760.⁶⁰

Accessory cart D22:
Item no.: D22-11001-000

€ 674.³⁰

Accessory cart D16:
Item no.: D16-11001-002

€ 616.⁰⁰

Our practical drawer-style base cabinets offer plenty of storage space and protect your clamping accessories from dirt and weld spatter.



The 'smart toolbox' can be easily fitted using the system bores. Connecting elements are included in the scope of delivery. System components are not included in the scope of delivery.

D28 smart toolbox for D28 3D welding table systems

- The ideal complement to the 'clever toolbox'
- Sturdy base cabinets with drawers made from sheet steel
- Available with a choice of two or three drawer units
- Safely protects tools and small parts from dirt and weld spatter
- Max. load capacity of the 'smart toolbox': approx. 125 kg
- Max. load capacity per drawer: approx. 50 kg
- A 640 mm, B 575 mm, C 485 mm, D 515 mm

(1) Base unit with
two pull-out drawers
Item no.: D28-11001-032

€ 467.²⁰

(2) Base unit with
three pull-out drawers
Item no.: D28-11001-033

€ 517.⁷⁰

D28 clever toolbox D28

Item no.: D28-11001-015

€ 783.¹⁰

Available as an optional extra:

- | | | |
|--|-------------------------|---------|
|  | (1) Universal Box D28 | |
| | Item no.: D28-11001-017 | € 58.00 |
|  | (2) Bolt magazine D28 | |
| | Item no.: D28-11001-016 | € 33.90 |
|  | Lower locking bolt D28 | |
| | Item No.: D28-11001-018 | € 9.70 |

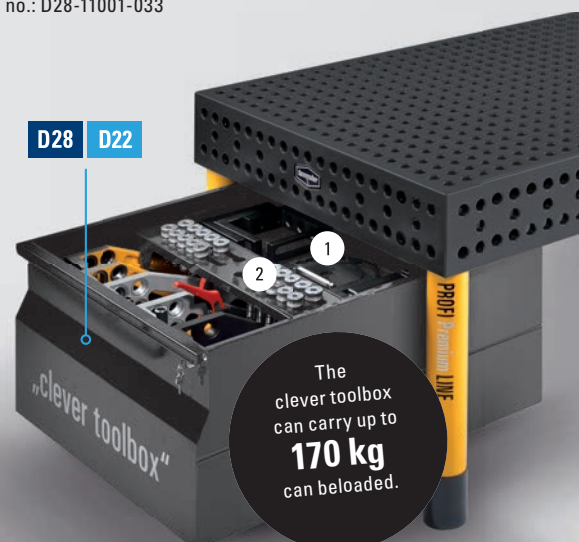
D22 clever toolbox D22

Item no.: D22-11001-015

€ 783.¹⁰

Available as an optional extra:

- | | | |
|---|-------------------------|---------|
|  | (1) Universal Box D22 | |
| | Item no.: D22-11001-017 | € 58.00 |
|  | (2) Bolt magazine D22 | |
| | Item no.: D22-11001-016 | € 33.90 |
|  | Lower locking bolt D22 | |
| | Item no.: D22-11001-018 | € 9.70 |

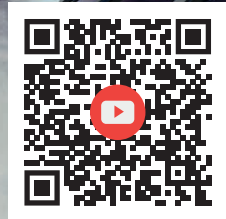


The
clever toolbox
can carry up to
170 kg
can be loaded.

The **clever toolbox** can be fitted to any of the four sides and can carry a load of up to 170 kg. (Ten locking bolts at the bottom are included in the scope of delivery.)



Layout
of the workspace:
Highly efficient working
in a two- or
three-station
configuration



DEMMELER® COBOT WeldSpace 4.0®
LINEAR F



UP TO 30 METR



DEMMELER® COBOT WeldSpace 4.0®
TABLE 24/12

DEMMELER® COBOT WeldSpace 4.0® TABLE 24/12

Dynamic welding in multi-station operation

- The most versatile automated welding solution, offering maximum efficiency and the simplest operation, as well as the highest levels of environmental and operator protection
- Up to four workstations: Space A (optional A1–A2) + SPACE B, with perfect accessibility from all sides and crane loading for set-up and workpiece changeovers
- Standard shuttle operation between Space A and SPACE B enables set-up, reclamping and welding to take place simultaneously
- DEMMELER® WeldSoft F 1.2 software: The optimal settings tailored to the power source, welding process and torch, combined with simple and fast operation
- Optionally available with a COBOT from Universal Robots (UR) or FANUC



The standard shuttle operation between the SPACE A and SPACE B work areas – with the option of subdividing the SPACE A work area into A1 and A2 – enables set-up, reclamping and welding to take place simultaneously.



See the DEMMELER®
COBOT WeldSpace
4.0® TABLE 24/12 in
action.



DEMMELE[®] COBOT WeldSpace 4.0[®] LINEAR

Highly efficient welding of components up to 30 metres in length

Welding cell available in the following dimensions:
3000 / 6000 / 9000 / 12000 / 15000 / 18000 / 21000 / 24000 /
27000 / 30000 x 1500 x 900 mm



4

ES

A large workspace without
a partition wall

Two work areas
of equal size

Two different work areas
in a 2/3 to 1/3 ratio

Three areas of work

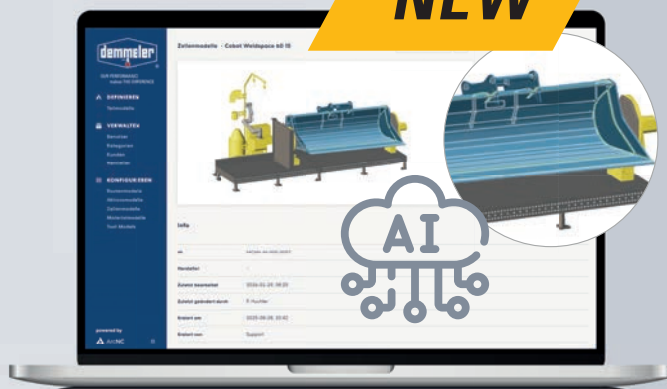
For maximum performance in cobot welding

- 1 Integrated **DEMMELE[®] 3D welding table D28 PP DemontXBlack 760**, dimensions 3000 x 1500 x 450 mm.
- 2 The **FANUC CRX-10iA/L** collaborative **welding robot** moves along a dynamic linear axis. Mathematically coupled for synchronised movements with the robot. Multiple axes can be integrated.
- 3 In addition to the robot, the **welding power source**, the **wire feeder**, the **welding fume extraction system** and the **torch cleaning station** also move in unison.
- 4 Full accessibility: telescopic and swivelling welder's safety door at the front, including a safety switch.
- 5 The partitioning of the workspace enables highly efficient two-station operation. For systems 9 m or longer, up to two partition walls can be installed. This creates three separate workstations and a total of up to four possible workstation configurations.
- 6 The **integrated single-axis manipulator with counter-bearing** positions position workpieces weighing up to 2,000 kg in the optimum welding position, eliminating the need for time-consuming reclamping of workpieces. Uniform circumferential welds can be produced with ease.

Possible areas of work



NEW

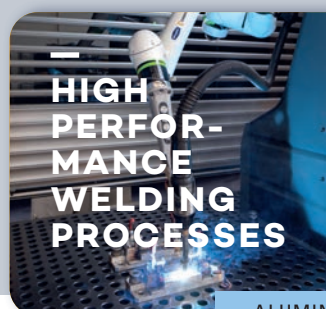


DEMMELE[®] WeldSoft AI Cloud Programming

Automated programming for welding COBOTS

DEMMELE[®] WeldSoft AI automates the creation of welding programmes throughout the entire process chain. Potential weld seams are automatically detected in CAD assemblies, robot movements are calculated to avoid collisions, and TouchSenses are automatically generated to compensate for component tolerances. The intelligent synchronisation of robots, positioners and auxiliary axes results in optimised motion sequences for maximum efficiency, quality and system availability.

- ➔ Automatic weld seam generation
- ➔ Automatic generation of robot movements
- ➔ Automatic generation of TouchSenses



**HIGH
PERFOR-
MANCE
WELDING
PROCESSES**

Extensive, protected DEMMELE[®] job library at

Over 100 pre-set welding jobs, with all key parameters tailored to the material, power source, welding process and torch.

ALUMINIUM

EDELSTAHL

STAHL

MANIPULATOR ERGONOMIX M[®]

ERGONOMIX M[®] 3000

TIPPING MOMENT: 19,000 Nm

BEARINGLOAD: 3,000 kg



180°

Increased productivity and quality

- Unique swivel range of up to 180°
- Consistent quality with an optional teach function for storing reproducible sequences
- Higher heat input during welding, as most welds can be carried out in the optimum position (trough position)

Health and safety

- Ergonomic and back-friendly working
- Greater safety in the workplace

Extensive range of accessories available

- Various clamping and adapter plates available in different sizes and shapes

Unique swivel range up to 180 degrees.



Limited space. Unlimited possibilities. Maximum flexibility for welding or assembly thanks to a standard swivel range of up to 180°.

Features of the Ergonomix M[®] and optimal expansion possibilities

- 1 Controller**
Series equipment
- with pendant control panel **2**
- with foot switch **3**
- 4 Teach controller**
M2000: Item no. Z00-01001-024
M3000: Item no. Z00-01001-024
M4000: Item no. Z00-01001-025
- 5 Area scanner**
Item no. Z00-01005-100
- 6 Rotary feedthroughs**
for querying the state of fixtures, electrical:
Item no. Z00-01004-005
for pneumatic clamping fixtures:
Item no. Z00-01004-008
for hydraulic clamping fixtures:
Item no. Z00-01004-009
- 7 Ground connector**
max. 400 A at 60% ED:
Item no. Z00-01000-002
max. 700 A at 60% ED:
Item no. Z00-01000-009

Ergonomix M[®] Basic Model

Designation		M 2000 / V1250	M 2000 / V2500	M 3000	M 4000
Bearing load (excluding worktop)	[kg]	2000	2000	3000	4000
Max. interference circle at 180° (without worktop)	[mm]	1000	1000	1000	1,500
For workpiece height	[mm]	650	650	650	500
Max. speed	[rpm]	1.4	1.4	1.4	1.4
Min. speed	[rpm]	0.75	0.2	0.2	0.2
Torque	[Nm]	1250	2500	2500	5000
Tilt angle	[°]	180	180	180	180
Tipping moment	[Nm]	8000	8,000	19,000	32,000
Min. height (excluding worktop)	[mm]	490	490	490	750
Max. height when swivelled to 180°	[mm]	970	970	970	983
Max. height when swivelled to 90°	[mm]	1480	1480	1480	1680
Control bottle		✓	✓	✓	✓
Speed control, 10-speed		✓	✓	✓	✓
Motors / Rotary axis		1	2	2	2
Item No.		M02-02000-006	M02-02000-007	M03-03000-047	M04-04000-000
Price of basic model		€ 25,560	€ 29,040	€ 35,893	€ 52,830

Figures exclude the worktop. Further specification details available on request.

We reserve the right to correct any errors and make changes. This quotation is subject to change. Prices are net ex works, plus statutory VAT.

- Standard equipment
- Optional extras

Further information on our DEMMELE ErgonomixM[®] range of manipulators can be found at www.demmeler.com.





OUR PERFORMANCE
makes THE DIFFERENCE

DEMMELE® LP 24000 manipulator
Welding and assembly in the optimum position

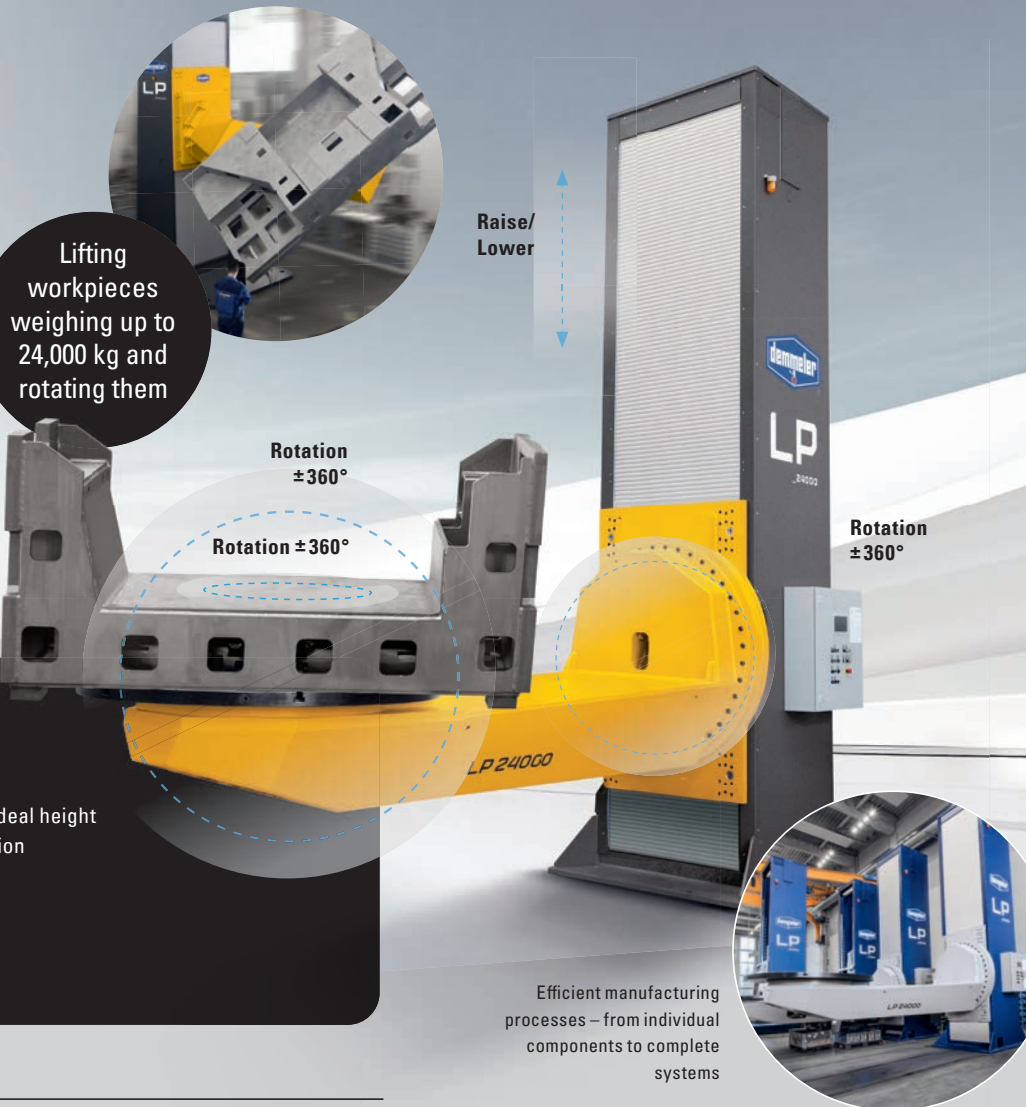
MANIPULATOR LP 24000

Powerful performance in a compact design.

The LP series combines
a compact design with
high performance and
versatile configuration
options.

Improvements in productivity and quality

- Optimal positioning of heavy and bulky workpieces
- Ergonomic working in the ideal position and at the ideal height
- Higher welding quality and reduced welding distortion
- Increased productivity and deposition rate
- Reduction in time-consuming crane movements
- Fewer hazardous handling operations
- Reduced physical strain on operating personnel



Robotix LP 24000 Basic Model

General technical specifications	
Maximum total load capacity [kg]	24,000
Number of controlled axes	3
Drive system	hydraulic
Operating mode	Manual step mode
Rotation range of the rotary axes [°]	± 360°, continuous
Axis 1 – Stroke axis	
Drive type	hydraulic
Lifting speed [m/min]	approx. 0.25–1.6
Minimum height of clamping plate [mm]	approx. 1,000
Maximum stroke [mm]	approx. 2,600
Axis 2 – Boom arm	
Drive type	hydraulic
Speed range [rpm]	approx. 0.25–0.6
Rotation range	± 360°, continuous
Maximum torque [Nm]	approx. 120,000
Axis 3 – Faceplate	
Drive type	hydraulic
Speed range [rpm]	approx. 0.25–0.8
Rotation range	± 360°, continuous
Maximum torque [Nm]	approx. 80,000
Faceplate diameter [mm]	approx. 2,000
Maximum workpiece clearance [mm]	approx. 7,000
Price of basic model	On request

Further standard features of the LP 24000

- Smooth acceleration and deceleration thanks to hydraulic proportional control
- Mechanical locking of the rotary axes when stationary
- Integrated welding current transmission: 2 × 500 A
- Convenient operation via a control panel with position and status display
- Protection of the guideways against weld spatter via robust protective shutters
- CE-compliant design in accordance with European standards

Adapter plates for L-manipulators are available on request. Specifications do not include the worktop. Further equipment details are available on request.

We reserve the right to correct any errors and make changes. This quotation is subject to change. Prices are net ex works, plus statutory VAT.

MANIPULATOR ROBOTIX WE

Installation
of the on the
hall floor or
on the DEMMELE
rail system



Advantages

- Ergonomic and back-friendly working
- Greater safety in the workplace
- Maximum productivity
- Higher deposition rate during welding
- No need for time-consuming re-clamping – lifting and rotating of the workpiece in a single clamping operation



Ready for production:
components for mass
production



Easily position heavy loads of up to 14,000 kg

With the Robotix turning unit from DEMMELE, heavy and long workpieces can be optimally positioned for welding and assembly work using two electric lifting columns for raising, lowering and rotating in both directions. Both columns of the turning unit are mounted on the workshop floor. Optionally, the turning unit can be mounted on the DEMMELE rail system.

Robotix Basic Model Turning Unit

Designation	WE 2000	WE 4000	WE 6000	WE 8000
Load capacity per column [kg]	1000	2000	3000	4000
Total load capacity [kg]	2000	4000	6,000	8,000
Base height of rotation axis [mm]	540	600	600	600
Useful stroke [mm]	1700	1700	1700	1700
Turning radius [mm]	2240	2300	2300	2250
Torque [Nm]	2000	3000	6000	10,000
Control panel	✓	✓	✓	✓
Item no.	I02-02000-050	I04-04000-050	I06-06000-050	I08-08000-050
Price of basic model	On request	On request	On request	On request

Designation	WE 10000	WE 12000	WE 14000
Load capacity per column [kg]	5000	6,000	7,000
Total load capacity [kg]	10,000	12,000	14,000
Base height of rotation axis [mm]	600	600	600
Useful stroke [mm]	1700	1700	1700
Turning radius [mm]	2250	2250	2250
Torque [Nm]	10,000	12,000	12,500
Control panel	✓	✓	✓
Item no.	I10-10000-050	I12-12000-050	I14-14000-050
Price of basic model	On request	On request	On request

Figures exclude the worktop. Further specification details available on request.

We reserve the right to correct any errors and make changes. This quotation is subject to change. Prices are net ex works, plus statutory VAT.

Features of the Robotix WE and optimal expansion options

① Control panel

- Actuation of the axes by pressing a button
- Optional: Potentiometer for speed adjustment

② Area scanner

- Ensures both maximum safety and productivity
- Customisable protection zone
- Display unit with monitor/camera view and a clearly visible status LED for maximum user-friendliness

③ Adapter plates

Adapter plates with standard D28 system bores in a 100 x 100 mm grid and optional M24 threads

Further information and
configuration options
on the Robotix turning unit
can be found at
www.demmeler.com



MANIPULATOR ROBOTIX

When you're planning
a large project.
Lifting and rotating
workpieces weighing
up to 40,000 kg.



A high degree of vertical
integration and efficient mass
production.

If you think on a large scale, you need equipment that offers a wide range of possibilities. With the Robotix IP manipulator, you can position workpieces flexibly, manufacture efficiently and work ergonomically. A weld seam can be laid with much greater precision when working in a relaxed posture. Furthermore, the optimal positioning of the workpiece ensures an ideal manufacturing process. Welds can be carried out in the optimum position; uncontrolled flow of the molten metal is reduced. We can offer you the right product from a wide range of solutions.

Robotix IP Manipulator

Designation	IP 16000	IP 24000	IP 40000
Bearing load (excluding worktop) [kg]	16,000	24,000	40,000
Lifting axis:			
Drive	servo-hydraulic	servo-hydraulic	servo-hydraulic
Lifting speed [m/min]	0.25 – 1.6	0.25 – 1.2	0.25 – 1.2
Max. lifting height [mm]	2000	2000	2000
Minimum height [mm]	900	900	1200
Maximum height [mm]	2900	2900	3200
Rotation axis:			
Rotational speed min./max. [rpm]	0.25 – 1.6	0.25 – 1.2	0.25 – 1.0
Rotation angle [°]	± 360 continuous	± 360 continuous	± 360 continuous
Torque [Nm]	24,000	40,000	60,000
Controls on the control cabinet	✓	✓	✓
Earth connection for welding machine	✓	✓	✓
Item no.	I16-16000-050	I24-24000-050	I40-40000-050
Price of basic model	On request	On request	On request

OPTIONAL EXTRAS

Designation	IP 16000	IP 24000	IP 40000
Teach control	ZWE-02000-003	ZWE-02000-003	ZWE-02000-003
Laser scanner	ZWE-02000-000	ZWE-02000-000	ZWE-02000-000
Integration as an additional robot axis	ZWE-02000-002	ZWE-02000-002	ZWE-02000-002

Figures exclude the worktop. Further specification details available on request.

We reserve the right to correct any errors and make changes. This quotation is subject to change. Prices are net ex works, plus statutory VAT.

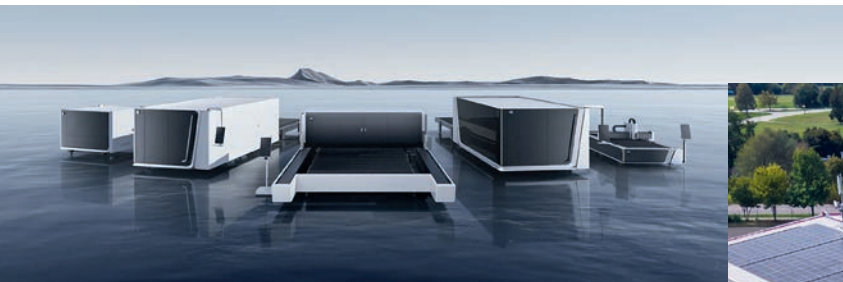
On request, we can develop, design and manufacture bespoke clamping fixtures for you



NEW: DEMMELER TECHNOLOGY GMBH

Official distribution partner of Bodor Laser for Bavaria and Baden-Württemberg

Sales / Service / Automation / Training



With the newly established DEMMELER Technology GmbH, we are expanding our portfolio to include high-performance Bodor laser cutting systems and laser welding systems.

Customers in Bavaria and Baden-Württemberg benefit from direct advice, installation, training and service provided by DEMMELER Technology.



DEMMELER
Future of Laser Centre
Heimertingen

Bodor Dream Park
in Jinan, China



DEMMELER Future of Laser Centre – Technology centre for Bodor laser systems at DEMMELER.

Experience Bodor technologies first-hand at our state-of-the-art sales and spare parts centre at DEMMELER in Heimertingen. Across more than 2,200m², we showcase laser machines and automation solutions in action – ensuring maximum transparency, personalised advice and bespoke solutions tailored to your requirements.

DEMMELER Future of Laser Centre in Heimertingen.



Visualisation – outdoor facilities and car parks, some of which are AI-generated



Live demonstrations & training courses

See for yourself the performance and precision of Bodor's laser processing solutions.



Expert advice

Our experts are on hand to support you with their expertise and experience.



Tailored solutions for your manufacturing operations

Let's work together to develop the best solution for your production.

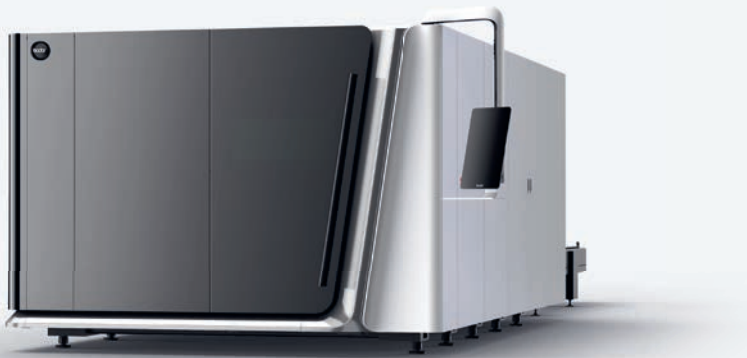


OUR PERFORMANCE
makes THE DIFFERENCE

DEMMELE Technology – official Bodor distribution partner and technology centre

Bodor – Innovative technologies for your production.

Bodor stands for cutting-edge laser technology, the highest quality and maximum efficiency. The product range comprises high-performance machines and automated solutions that are perfectly tailored to the requirements of modern manufacturing facilities.

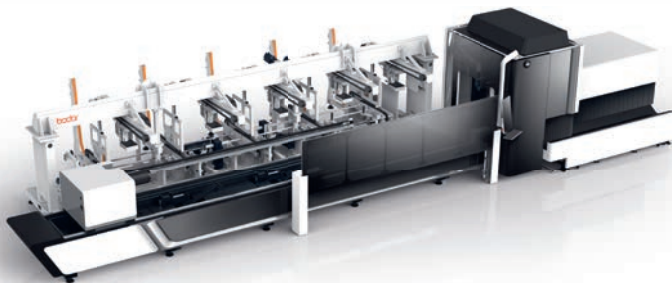


Bodor laser cutting systems

Highly dynamic fibre cutting systems for maximum precision and productivity. Whether 2D, 3D or tube/profile machining – Bodor offers the right solution for every requirement. Featuring intelligent control, high energy efficiency and first-class cutting quality.

Bodor laser welding systems

High-performance handheld laser and automation solutions for clean, low-distortion welds. Easy to operate, versatile and ideal for a wide range of materials and applications.



Bodor Automation Solutions

Intelligent automation systems for gentle and efficient processes. From sheet metal to the finished part – Bodor automation solutions boost your productivity, reduce set-up times and ensure you maintain a sustainable competitive advantage.

YOUR BENEFIT: A STRONG PARTNER BY YOUR SIDE.

As an official distribution partner, DEMMELE Technology GmbH offers you not only state-of-the-art technology, but also expert advice, bespoke solutions and comprehensive service – from the initial idea right through to long-term support.

DEMMELE & BODOR – WORKING TOGETHER FOR YOUR SUCCESS: WWW.DEMMELE-TECHNOLOGY.COM





FOLLOW THE FUTURE

Products, solutions and insights – follow DEMMELER now.



OUR PERFORMANCE
makes THE DIFFERENCE



News

on products & innovations



Practical knowledge

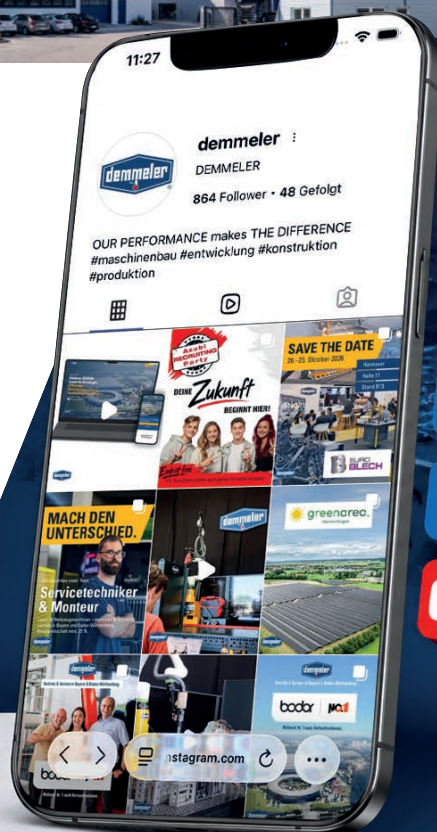
Tips, applications and insights



Events & Highlights

Trade fairs, promotions and much more

>> DEMMELER on social media



Convenient online ordering: in the DEMMELER webshop

Discover our full range of clamping systems, tools and accessories on our website and place your order conveniently online.



Why not subscribe to our new YouTube channel, which features lots of product and application examples?



Come and visit us at the trade fairs

Find out more about professional, automated welding production with our COBOT WeldSpace 4.0® welding cells, and discover DEMMELER's wide range of products. You can find details of our upcoming trade fair appearances online at: www.demmeler.com.



OUR PERFORMANCE
makes THE DIFFERENCE

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