DVR M

DVR M – Precision meets mobility

The DVR M rotary welding device represents a new generation of tools in the field of orbital welding. It has been specially developed for applications where maximum precision, flexibility and efficiency are required - both in stationary production and in mobile use on construction sites. Its sophisticated design combines compact construction with industrial robustness and makes it an indispensable part of modern welding processes.



The DVR M allows demanding welding tasks to be carried out reliably and reproducibly. The device is designed to deliver consistently high quality even with frequent workpiece changes. This is particularly important in series production or in the prefabrication of pipe systems. The ability to process complex components such as fittings, flanges, or shaped pieces safely and precisely opens up new possibilities in process design.

Special attention was paid to ergonomics and user-friendliness.
The device is controlled directly via an integrated control panel, which enables intuitive operation and provides optimal support for the operator in their daily work.

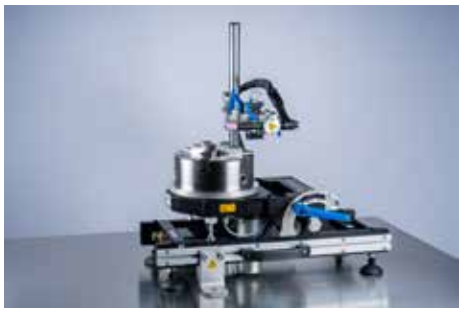
The manual adjustability of the swivel frame in several positions allows flexible adaptation to different welding positions - both horizontal and vertical.
The DVR M is not just a tool, but a real productivity booster.
It reduces setup times, minimizes sources of error, and ensures consistently high welding quality. Its compatibility with various power sources and accessory components makes it a versatile partner in a wide range of production environments.

Thanks to its compact design, the DVR M is easy to transport and store in a space-saving manner. This is particularly advantageous in dynamic working environments where mobility and rapid deployment are required. The robust construction ensures a long service life even under demanding conditions - a real plus for companies that value reliability and cost-effectiveness.

The advantages at a glance:

- **Compact and mobile: Thanks to its space-saving design, it is ideal for use on construction sites – easy to transport and quickly stowed away when not in use.**
- **Integrated control panel: Built directly into the machine frame – for maximum ergonomics and ease of use.**
- **High productivity and repeatability: Process multiple workpieces with the same settings – reduces setup times and welding errors.**
- **Precise welding quality: Exact alignment and tool-free adjustment of the TIG torch.**
- **Large hollow shaft diameter (72 mm): Ideal for forming and holding long workpieces.**
- **Swivel turntable (0°–90°): For horizontal and vertical welding positions.**
- **Robust & durable: Designed for continuous industrial use.**
- **Compact design: Saves space and increases flexibility in the workplace.**
- **Reusable, fork-liftable transport crate: For safe, efficient transport, even with forklifts or pallet trucks.**

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DVR M set for vertical welds



DVR M set for horizontal welds



Control panel for greater user comfort



Position stop for burner arm



Burner holder with joints on cross slide for fine adjustment

SCOPE OF APPLICATION		DVR M
Orbital welding of thin-walled pipes, fittings, flanges, and shaped pieces		
Ideal for non-orbital components with high quantities		
Ideal for prefabrication and pre-assembly of workpieces		
Supplement to orbital weld heads		
Use in the workshop and on the construction site		
FEATURES & TECHNICAL SPECIFICATIONS		**DVRM**
Code		855 000 030
GENERAL SPECIFICATIONS		
Diameter range		9,53 - 230,00 mm (0.375 - 9.055 in)
Hollow shaft Ø ID:		72 mm (2.83 in)
Angle of inclination - turntable		0°-90° in 22.5° steps
WELDING SPECIFICATIONS		
Welding current @ 100% duty cycle Gas-cooled torch		100 A
Welding current @ 35% ED Gas-cooled torch		140 A
DRIVE AND MOTOR		
Supply voltage		24 V DC
Drive motor		DC Encoder Motor
WORKPIECE DIMENSIONS AND LOAD CAPACITY		
Max. component load capacity without counter support		10 kg
Max. component load capacity with counter support		20 kg
Max. welding position Mounting point - Welding position		300 mm
Max. workpiece length without counter support		500 mm
Max. workpiece length with counter support		2000 mm
Maximum protruding bodies - horizontal clamping alignment:		250 mm
Maximum protruding bodies - vertical clamping alignment:		300 mm
DIMENSIONS AND WEIGHT		
Dimensions: Turntable weight		670 x 665 x 600 mm (26.38 x 26.18 x 23.62 in)
Weight of rotary table		22,00 kg
Weight of stand		4,83 kg
GC machine torch weight		2,23 kg
3-jaw chuck weight*		14,16 kg
Transport case weight		33,50 kg
SCOPE OF DELIVERY*		
DVR M welding rotary device	PC	1
Torch stand	PC	1
TIG machine torch, gas-cooled	PC	1
Tool set	Set	1
Transport box	PC	1
General safety instructions welding rotary devices	PC	1

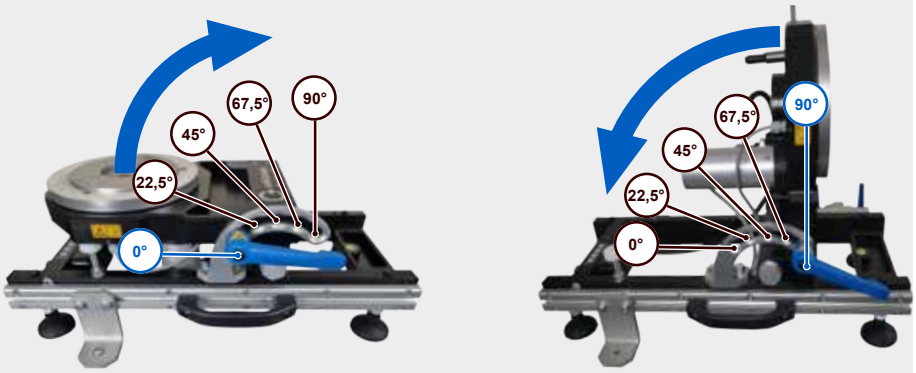
* The 3-jaw chuck, control cable, and ground cable are not included in the scope of delivery but are essential for use and must be ordered separately.

Technical specifications are non-binding. They do not constitute any assurance of properties. We reserve the right to make changes.





The stand, mounting bracket, and carrying handles can be flexibly mounted in the mounting rails on both sides.



Swivel plate adjustable in 5 positions (0-90°).

Welding rotary devices



Welding rotary device DVR M

DVR M

Can only be used in conjunction with a power source from the Mobile Welder or Smart Welder Plus series.

The following accessories are essential for the use of the rotary welding device and must be ordered separately:

- Three-jaw chuck
- Control cable
- Ground cable

ARTICLE	CODE	SHIPPING WEIGHTKG*
Welding rotary device DVR M	855 000 030	50,00

* incl. scope of delivery and transport box

Suitable accessories (optionally available):

- Three-jaw chuck
- Control cable
- Ground cable

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Accessories for DVR M

Three-jaw chuck DVR M

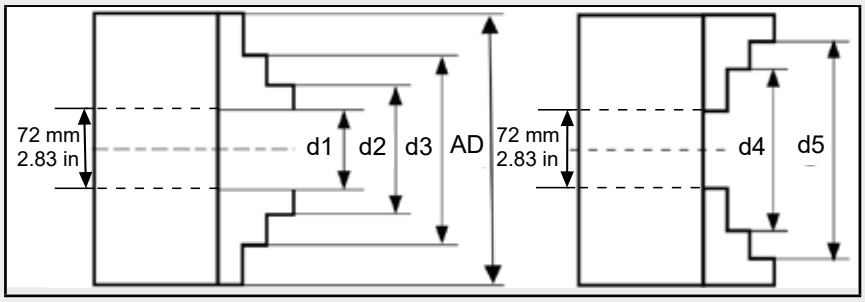
Centrically clamping three-jaw chuck. Cast body, flat spiral ring made of high-quality alloy steel, drop-forged and hardened. Teeth, pinion, and guides hardened and completely ground. Made of hardened and ground steel.
With cylindrical mount and one-piece jaws for clamping the pipe.



Three-jaw chuck DVR M

The scope of delivery includes:

- 1 three-jaw chuck
- 1 clamping wrench
- 1 set each of turning and drilling jaws, graded to the inside and outside
- 1 set of fastening screws



CLAMPING RANGE	D1		D2		D3 MAX.	
	[MM]	[INCH]	[MM]	[INCH]	[MM]	[INCH]
Three-jaw chuck DVR M	9,53-90	0.38-3.54	52-135	2.05-5.31	120-202	4.72-7.95

ARTICLE	OUTER Ø CHUCK		INNER Ø HOLE		CODE	KG
	[MM]	[INCH]	[MM]	[INCH]		
Three-jaw chuck DVR M	200,0	7.87	72,0	2.48	**855 002 001**	14,16

Control cable TP/MH/DVR-M

Compatible with all ORBIWELD TP and MH orbital weld heads and the DVR M welding rotary device.



Control cable TP/MH/DVR-M

ARTICLE	LENGTH [M]	LENGTH [FT]	CODE	KG
Control cable TP/MH/DVR-M, 7.5 m	7,5	24.6	**855 030 110**	1,202

Ground cable DVR

Required for use with DVR M welding rotary devices.



Ground cable for turning gear DVR

ARTICLE	SUITABLE FOR	LENGTH [M]	LENGTH [FT]	CODE	KG
Ground cable DVR	Mobile Welder/Smart Welder Plus/Power Welder	5,0	16.4	**890 030 015**	2,500