

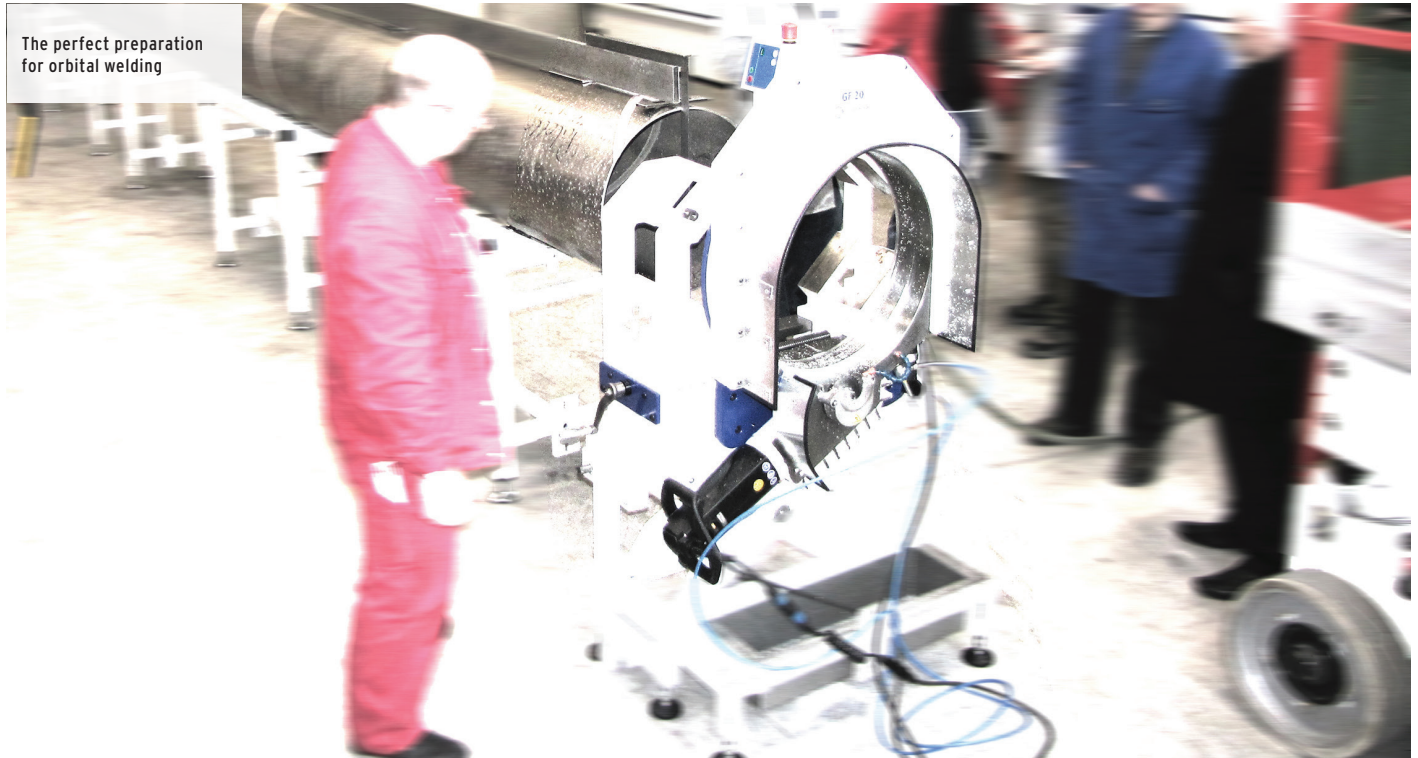
GF 20 AVM

Pipe cutting and beveling machine

A strong machine for demanding applications!

Cutting and beveling high-alloy steel (stainless steel), low- and unalloyed steel, plastics, casting materials and non-ferrous metals in just seconds, using the "Planetary Cutting" method.

Automatic feed module AVM included.



The saw blade rises into the cutting area and is driven orbitally around the tube. The advantage is that a small saw blade can cut a large tube diameter, without heating the tube.

An innovative clamping principle which clamps the tube at several points: Thanks to the deformation-free clamping system, tubes with a wall-thickness of max. 15 mm (0.59") can be prepared easily and quickly. It is possible to cut steel, stainless steel, copper, cast, iron, aluminum and synthetic materials.

The intelligent control of the AVM continuously controls the cutting speed depending on the torque and the parameter settings. The AVM improves the handling of the machine and stops automatically after the cutting process. This optimizes the cutting result, increases the tool life and reduces the operator impact. The result: Maximum safety and productivity.

The GF 20 AVM is fitted with the swivel cable with a quick-disconnect coupler.

- Square, burr-free and cold machining process
- Optimum preparation for the automated welding process
- Sturdy design with powerful drive
- Including a height-adjustable and robust lifting bench with a container for swarf collection
- Unique and automated orbital cutting process
- An ergonomically-designed motor handle for a safe and comfortable operating position
- Multifunctional tool for all adjustments on the machine
- High rotational moment for optimal cutting and beveling processes
- Optimal speed range of 30 - 163 rpm, ideal for cutting high-performance materials (Hastelloy®, P91, etc.)

- Optimized saw blade guard protects the user against flying chips
- An even higher operating life of the tools is guaranteed by the continual cooling system (available as special accessory)



Automatic feed module AVM** included



Including a height-adjustable and robust lifting bench with a container for swarf collection



Included: Cutting lubrication KSS-TOP, saw blade lubricant GF TOP and special gear oil



An even higher operating life of the tools is guaranteed by the continual cooling system (available option)

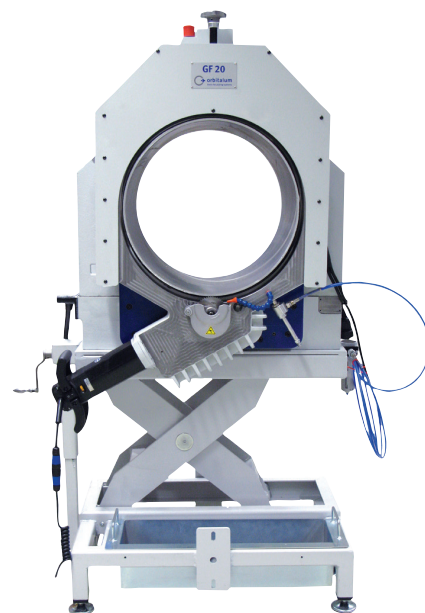


Extension unit (available option)



Aluminum clamping shells for clamping thin-walled tubes (available option)

APPLICATION RANGE / TECHNICAL DATA		GF 20 AVM
Code	[230 V]	790 050 001
	[120 V]	790 050 002
Tube OD	[mm]	283 - 508
	[inch]	11.14 - 20
Tube ID min. (saw blade Ø 80 mm/3.150")	[mm]	295
	[inch]	11.6
Tube ID min. (saw blade Ø 100 mm/3.937")	[mm]	275
	[inch]	10.8
Wall thickness max.	[mm]	15
	[inch]	0.59
Pipe materials		Steel, stainless steel, copper, cast, iron, aluminum, synthetic
Power (Power AVM)	[kW]	1.9 (0.05)
	[hp]	2.54 (0.07)
Built-in electronic speed regulation with speed stabilisation	[rpm]	30 - 163
Slide housing speed with AVM	[rpm]	0.1 - 1.1
Protection class	[class]	I (EN 60204-1)
Noise level at the workplace approx.	[dB (A)]	79
Vibration level (according to DIN EN 28662, part 1)	[m/s ²]	< 2.5
Dimensions GF 20 incl. lifting bench (lxwxh) approx.	[cm]	94 x 63 x 145 - 171
	[inch]	37 x 24.8 x 57.1 - 67.3
Dimensions lifting bench min.-max. (lxwxh) approx.	[cm]	94 x 63 x 44.5 - 70.5
	[inch]	37 x 24.8 x 17.5 - 27.8
Load capacity lifting bench max.	[kg]	1.200
	[lbs]	2,645.5
Weight of machine approx.*	[kg]	482.0
	[lbs]	1,062.6
Versions (single-phase AC)	[V, Hz]	230 V, 50/60 Hz
		120 V, 50/60 Hz
SCOPE OF DELIVERY		GF 20 AVM
Pipe cutting and beveling machine GF 20 AVM**	Pc.	1
Transportation case	Pc.	1
Lifting bench (Code 790 050 051)	Pc.	1
Saw blade (Code 790 047 026)	Pc.	1
Mounting plate	Pc.	1
Tool set	Set	1
Special gear oil (Code 790 041 030)	Bottle	1
Cutting lubrication KSS-TOP (Code 790 060 226)	Spray pump	1
Operating instructions and spare parts list	Set	1



GF 20 AVM with lifting bench

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our general conditions of supply.

* Weight without packaging and accessories.

** The automatic feed module AVM is already fitted to the pipe cutter upon delivery.