



The perfect preparation for orbital welding!



Square, burr-free and deformation-free pipe end – ideal for pressfitting applications



Second saw blade position to cut off elbows



Powerful drive with electronic overload protection and ergonomically designed motor handle



Cast iron clamping jaws with stainless steel caps



Integrated line laser to mark the cut off point

Pipe Cutting and Beveling Machines

GFX Pipe Cutting and Beveling Machines

- Square, burr-free and cold machining process
- Deformation-free clamping system especially applicable for thin-walled tubes
- Easy handling through light weight
- Simultaneous or separate cutting and beveling
- Increased productivity
- Low-maintenance and service friendly
- Environmentally friendly and long product life
- Second saw blade position to cut off elbows
- Ideal for pressfitting applications



GFX 3.0

GFX 3.0, GFX 6.6

New, innovative saw from Orbitalum Tools for cutting and beveling of tubes and elbows in just seconds. The perfect preparation for orbital welding! Easy to use, powerful and compact saw with low weight – our new GFX provides even more outstanding features:

- Optimized chip flow due to a new vice design
- Cast iron clamping jaws
- Integrated line laser to mark the cut off point
- Ergonomically designed motor handle
- Powerful drive with 1.2 kW and adjustable speed control for cutting several materials and extended tool life
- Electronic overload protection with integrated temperature monitor and electronic speed regulation
- Increased durability of tools due to the new drive GF10
- Ergonomically positioned speed control adjusting wheel
- Swivel cable with a quick-disconnect coupler for easy and quick replacement of power cables
- Direct mounting on workbench possible with GFX 3.0

Machine comes with:

- 1 Pipe Cutting and Beveling Machine GFX 3.0 or GFX 6.6
- 1 Transportation case
- 1 Saw blade (GFX 3.0: Code 790 041 035, GFX 6.6: Code 790 042 064)
- 1 Quick-mounting plate without screw clamps* (only with GFX 6.6)
- 1 Set of stainless steel caps**
- 1 Line laser with holder and fastening screws***
- 1 Tool set
- 1 Tube of saw blade lubricant GF TOP (Code 790 060 228)
- 1 Set of operating instructions and spare parts list

* The GFX 3.0 can be mounted directly on the workbench without a quick-mounting plate. Quick-mounting plates with screw clamps for GFX 3.0 and GFX 6.6 are available optionally.

** Already mounted on the sliding clamping jaws of the GFX at delivery.

*** The line laser has to be mounted on the GFX before commissioning.



GFX 6.6

Application range		GFX 3.0	GFX 6.6
Tube OD	[mm]	6.0 - 78.0	21.3 - 168.3
	[inch]	0.236 - 2.874	0.838 - 6.659
Wall thickness	[mm]	0.8 - 7.0	0.8 - 7.0
	[inch]	0.031 - 0.275	0.031 - 0.275
Tube ID min. (Sägeblatt-Ø 63/2.248")	[mm]	0	23.0
	[inch]	0	0.905
OD range (saw blade Ø 63/2.248")	[mm]	6.0 - 78.0	24.6 - 168.3
	[inch]	0.236 - 2.874	1.008 - 6.659
OD range (saw blade Ø 68/2.677")	[mm]	0	18
	[inch]	0	0.708

Application range		GFX 3.0	GFX 6.6
OD range	[mm]	6.0 - 73.0	21.3 - 168.3
(saw blade Ø 68/2.677")	[inch]	0.236 - 2.874	0.838 - 6.659
OD range	[mm]	–	6.0
(saw blade Ø 80/3.149")	[inch]	–	0.236
OD range	[mm]	–	21.3 - 156.0
(saw blade Ø 80/3.149")	[inch]	–	0.838 - 2.205
Tube materials		Unalloyed, low-alloy and high-alloy steel, stainless steel, non-ferrous metal, aluminum alloy, titanium alloy, composite material and plastic	
Technical data		Electric drive with single-phase AC motor	
Dimensions (l x h x w)	[mm]	570 x 280 x 330	575 x 671 x 350
	[inch]	22.44 x 11.02 x 12.99	22.64 x 26.42 x 13.78
Protection class	[Class]	II	II
Power	[W]	1200	1200
Built-in electronic speed regulation with speed stabilisation	[rpm]	30 - 200	30 - 200
Vibration level in accordance with 50144	[m/s ²]	< 2.5	< 2.5

Article	Version	Code	Weight of machine kg	Dispatch weight kg
GFX 3.0	230 V, 50/60 Hz EU	790 144 001	28.000	44.000
GFX 3.0	120 V, 50/60 Hz US	790 144 002	28.000	44.000
GFX 6.6	230 V, 50/60 Hz EU	790 146 001	74.400	104.000
GFX 6.6	120 V, 50/60 Hz US	790 146 002	74.400	104.000

Accessories for GFX machines

Set of stainless steel caps

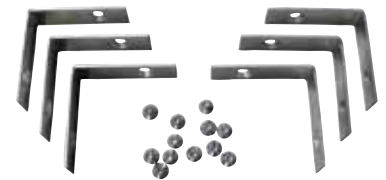
Already included on delivery of the GFX series.

Ideal for preparing stainless steel tubes. Prevents contact corrosion between tube and clamping parts. Clamping shells for thin-walled tubes are available on request.

Set comes with:

- Stainless steel caps (Qty.): 6 (GFX 3.0) / 4 (GFX 6.6)
- Countersunk screws (Qty.): 12 (GFX 3.0) / 16 (GFX 6.6)
- Allen key (Qty.): 1

Article	Code	kg
Set of stainless steel caps for GFX 3.0	790 144 200	0.150
Set of stainless steel caps for GFX 6.6	790 146 200	0.792



Set of stainless steel caps

Durable storage and shipping case

High-quality padded blue shipping case.

Article	Code	kg
Durable storage and shipping case for GFX 3.0	790 144 019	12.500



Durable storage and shipping case

Other suitable accessories:

Quick-mounting base plate with screw clamps, see page 21.

Tripod made of aluminum, see page 31.