GFX 3.0, GFX 6.6

Pipe cutting and beveling machines

Innovative saws from Orbitalum Tools for cutting and beveling pipes and removing tube elbows (even from thin-walled stainless steel) in seconds. The ideal preparation for the automated welding process! The GFX is an easy-to-use, powerful, and compact saw with a low weight—see for yourself the many outstanding features of this machine.



The GFX series: Easy to use, powerful, and compact!

- Right-angled, burr-free, and cold machining process
- Deformation-free clamping, even with thin-walled tubes
- Easy handling thanks to low weight
- Beveling of pipe ends parallel or separate from the cutting process
- Increased productivity
- Low maintenance and easy to service
- Environmentally friendly and long service life
- Additional saw blade position for cutting out tube elbows
- Ideal for press fitting applications

Our GFX series is ideal for cutting thin-walled pipes. The robust design for a long service life makes the saws particularly economical; long tool service life also increases productivity.

The GFX is very low-maintenance and service-friendly and offers a wide range of applications. Materials that can be processed include unalloyed, low-alloyed and high-alloyed steel, stainless steel, non-ferrous metals, aluminum alloys and titanium alloys.

Now a characteristic feature of Orbitalum pipe saws, the cutting point on the pipe can be conveniently marked using a line laser. A second saw blade clamping point enables tube elbows to be cut.

The powerful motor is equipped with overload protection and ergonomic handles and is available in 230 V, 50/60 Hz or 120 V, 50/60 Hz voltage versions.

The cable plug connection with quick-disconnect coupler allows for easy and convenient replacement of the flexible swivel cable.

The main areas of application are in the food, beverage, pharmaceutical, and chemical industries.

Further advantages:

- Optimized chip discharge thanks to the new vise design
- Steel sliding jaws with stainless steel clamping attachments
- Integrated line laser for marking cutting points
- Ergonomically optimized motor handle
- High-power drive (1,200 W) and adjustable speed range for cutting a wide variety of materials
- Electronic overload protection with integrated temperature monitoring and speed control
- Increased service life of tools thanks to the new GF10 drive
- Ergonomically positioned speed control wheel
- Plug connection with quick-disconnect coupler: easy and convenient replacement of the flexible rotary cable
- GFX 3.0 can be mounted directly on a workbench

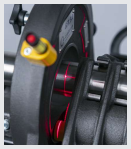
Technical specification



Includes a second saw blade holder for cutting out Rohrbögen



Includes steel sliding clamping jaws with stainless steel clamping attachments



Integrated line laser for marking the cutting point on the pipe



Powerful motor with overload protection and ergonomic handles



Includes GF TOP saw blade lubricant



Right-angled and burr-free cutting – ideal for press-fit applications

APPLICATION AREA		GFX 3.0	GFX 6.6
Code	[230 V] [120 V]	790144001 790144002	790146001 790146002
Pipe OD	[mm] [inch]	6.0 - 78.0 0.236 - 3.071	21.3 - 168.3 0.838 - 6.659
Wall thickness	[mm] [inch]	0.8 - 7.0 0.031 - 0.275	0.8 - 7.0 0.031 - 0.275
Pipe ID min. (saw blade Ø 63/2.248")	[mm] [inch]	0 0	23.0 0.905
OD range (saw blade Ø 63/2.248")	[mm] [inch]	6.0 - 78.0 0.236 - 3.071	24.6 - 168.3 1.008 - 6.659
Pipe ID min. (saw blade Ø 68/2.677")	[mm] [inch]	0 0	18 0.708
OD range (saw blade Ø 68/2.677")	[mm] [inch]	6.0 - 73.0 0.236 - 2.874	21.3 - 168.3 0.838 - 6.659
Pipe ID min. (saw blade Ø 80/3.149")	[mm] [inch]	– –	6.0 0.236
OD range (saw blade Ø 80/3.149")	[mm] [inch]	–	21.3 - 156.0 0.838 - 2.205
Materials	Unalloyed, low-alloy, high-alloyed steel, stainless steel, non-ferrous metals, aluminum alloys, titanium alloys, composite materials, plastics		



Illustration: GFX 3.0



Illustration: GFX 6.6

TECHNICAL SPECIFICATION		GFX 3.0	GFX 6.6
Dimensions (LxWxH)	[mm] [inch]	570 x 330 x 280 22.44 x 12.99 x 11.02	575 x 350 x 671 22.64 x 13.78 x 26.42
Weight incl. vice	[kg] [lbs]	28.5 62.83	74.4 164.02
Power	[W]	1200	1200
Protection class	[Class]	II	II
Stepless electric speed control with restart lock	[rpm]	30 - 200	30 - 200
Versions (1-phase alternating current)	[V, Hz] [V, Hz]	230 V, 50/60 Hz EU 120 V, 50/60 Hz US	230 V, 50/60 Hz EU 120 V, 50/60 Hz US
Vibration level (EN 50144)	[m/s2]	< 2.5	< 2.5
Sound pressure level at the workplace (EN 23741)	[dB (A)]	79.7	79.7

SCOPE OF DELIVERY		GFX 3.0	GFX 6.6
Pipe cutting and beveling machine	PCS	1	1
Transport box	PCS	1	1
Saw Blade (Code 790...)	PCS	1 (...041035)	1 (...042064)
Quick-mounting plate without screw clamps*	PCS	–	1
Line laser with holder and fastening screws and 10 button cells 1.5 V (code 790142124)	PCS	1	1
Tool key set	Set	1	1
Saw Blade Lubricant GF TOP (Code 790060228)	Tube	1	1
General safety instructions Pipe cutting and beveling machines	PCS	1	1
Operating instructions & Spare parts list Download link PDF: https://www.orbitalum.com/DE/download.html	PDF	1	1

The technical specification is non-binding. It does not constitute a guarantee of properties. Subject to change without notice.
** The GFX 3.0 can be mounted directly on the workbench without a quick-mounting plate. Quick-mounting plates with screw clamps are optionally available for the GFX 3.0 and GFX 6.6.*
*** The line laser must be mounted on the GFX before commissioning.*

ITEM	VERSION	CODE	KG	SHIPPING WEIGHT KG
GFX 3.0	230 V, 50/60 Hz EU	790144001	28,00	44,00
GFX 3.0	120 V, 50/60 Hz US	790144002	28,00	44,00
GFX 6.6	230 V, 50/60 Hz EU	790146001	74,40	104,00
GFX 6.6	120 V, 50/60 Hz US	790146002	74,40	104,00

Technical specification:

- Saw blades
- Accessories for GF, GFX and PS machines