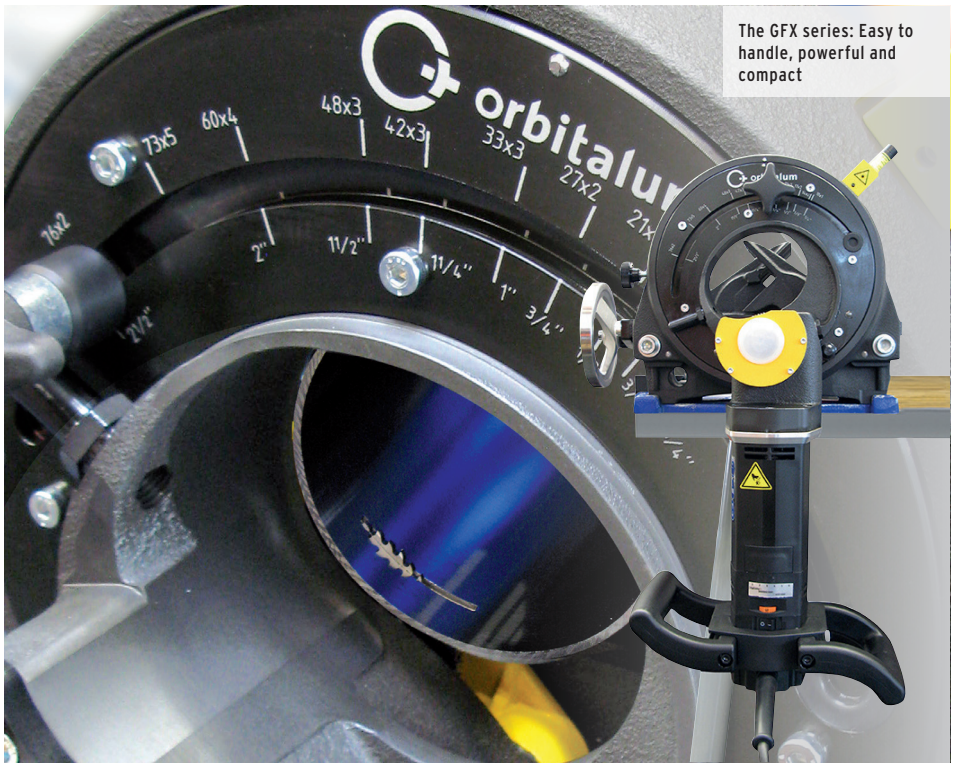
GFX 3.0, GFX 6.6

Pipe cutting and beveling machines

Innovative saws from Orbitalum Tools for cutting and beveling of tubes and elbows (also for thin-walled stainless steel) 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.



The GFX series: Easy to handle, powerful and compact


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

Our GFX series is the ideal solution for cutting of thin-walled tubes. The rugged design for a long product life makes the saws especially economical. Furthermore, the long tool lives thereby increase the productivity.

The GFX series is extremely low-maintenance and service-friendly and offers a large range of applications. Materials which can be processed are unalloyed, low-alloy and high-alloy steels, stainless steels, non-ferrous metals, aluminum alloys, titanium alloys, composite materials and plastics.

As is characteristic for the ORBITALUM pipe saws, the saw allows convenient marking of the cut-off point on the tube with the help of a line laser.

A second saw blade clamping point enables tube elbows to be cut off.

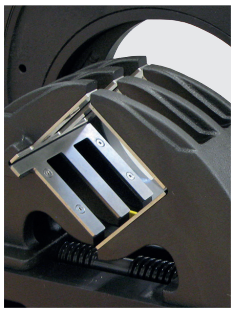
The powerful motor is equipped with overload protection and ergonomic handles and is available for the voltages 230 V, 50/60 Hz or 120 V, 50/60 Hz.

The cable connection with a quick-release screw coupler enables simple, convenient replacement of the flexible swivel cable.

The applications lie mainly in the food processing, beverage, pharmaceutical and chemical industries.

- Square, burr-free and cold machining process
- Deformation-free clamping system especially applicable for thin-walled tubes
- Easy handling through light weight
- Simultaneous or seperate cutting and beveling
- Increased productivity
- Low-maintenance and service friendly
- Second saw blade position to cut off elbows
- Ideal for pressfitting applications
- Optimized chip flow due to a new vice design
- Cast iron clamping jaws
- Integrated line laser to determine 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

Second saw blade position to cut off elbows



Cast iron clamping jaws with stainless steel caps

Integrated line laser to determine the cut off point

Powerful drive with electronic overload protection and ergonomically designed motor handle

Saw blade lubricant GF TOP included

Tripod made of aluminum and high-quality padded blue shipping case for GFX 3.0 optional available

APPLICATION RANGE		GFX 3.0	GFX 6.6
Code	[230 V] [120 V]	790 144 001 790 144 002	790 146 001 790 146 002
Tube OD	[mm] [inch]	6.0 - 78.0 0.236 - 2.874	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
Tube 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 - 2.874	24.6 - 168.3 1.008 - 6.659
Tube 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
Tube 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
Tube materials	Unalloyed, low-alloy and high-alloy steel, stainless steel, non-ferrous metal, aluminum alloy, titanium alloy, composite material and plastic		
TECHNICAL DATA		**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, without clamping shells	[kg] [lbs]	28.5 62.83	74.4 164.02
Power	[W]	1200	1200
Protection class	[class]	II	II
Built-in electronic variable cutting speed with restart inhibitor	[rpm]	30 - 200	30 - 200
Versions (single-phase AC)	[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
Noise 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	Pc.	1	1
Wooden transportation case	Pc.	1	1
Saw blade (Code 790 ...)	Pc.	1 (...041 035)	1 (...042 064)
Quick-mounting plate without screw clamps*	Pc.	-	1
Stainless steel caps**	Set	1	1
Line laser with holder and fastening screws***	Pc.	1	1
Tool set	Set	1	1
Saw blade lubricant GF TOP (Code 790 060 228)	Tube	1	1
Operating instructions and spare parts list	Set	1	1

GFX 3.0, GFX 6.6

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

* 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.