www.orbitalum.com



GFX 3.0, GFX 6.6

Pipe cutting and beveling machines

Innovative saws by Orbitalum Tools for cutting and beveling pipes and for cutting off tube elbows (even for thinwalled special steel) in just seconds. Optimum preparation for the automated welding process! The GFX is an easy to operate, powerful and compact saw with low weight - convince yourself of the many outstanding features of this machine.



Our GFX series is ideal for cutting thin-walled tubes. Due to the rugged design for a long product the saws are especially economical; long tool lives also increase productivity.

The GFX is low-maintenance and service-friendly and offers a large area of application. Processable materials include unalloyed, low-alloyed and high-alloyed steel, special steel, non-ferrous metal aluminum alloys and titanium alloys.

As is meanwhile characteristic for the ORBITALUM pipe saws, they allow convenient marking of the cut-off point on the tube with 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.

ADDITIONAL ADVANTAGES:

- Optimized chip flow due to new vice design
- Steel sliding clamping jaws with sets of stainless steel caps
- Integrated line laser to mark the cut-off point
- Ergonomically designed motor handle
- Drive with high performance (1,200 W) and adjustable speed range for cutting a wide range of materials
- Electronic overload protection with integrated temperature monitor and tachometer control
- Increased service life of the tools through the new GF10 drive

- Ergonomically positioned speed adjusting wheel
- Plug connection with a quick-disconnect coupler:
- easy and quick replacement of the swivel cable
- Direct mounting on workbench possible at GFX 3.0

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Orbital pipe cutting and beveling machines for high-purity process installations



Including second saw blade position to cut off tube elbows



Including steel sliding clamping jaws with sets of stainless steel caps



Integrated line laser for cutoff marking on the pipe



Powerful motor with overload protection and ergonomic handles



Including GF TOP saw blade lubricant

Right-angled and burr-free processing - ideal for press fitting applications

Triangle Tipe U Tipe U Tipe U Timm 6.0 - 78.0 21.3 - 168.3 Wall thickness [mm] 0.8 - 7.0 0.838 - 6.659 Wall thickness [mm] 0.8 - 7.0 0.838 - 6.659 Pipe ID min. (saw blade Ø 63/2.248") [mn] 0 0.905 D0 range (saw blade Ø 63/2.248") [mn] 6.0 - 78.0 2.46 - 168.3 [inch] 0.236 - 3.071 1.008 - 6.659 1.008 - 6.659 Pipe ID min. (saw blade Ø 63/2.248") [mn] 6.0 - 73.0 2.46 - 168.3 [inch] 0.236 - 3.071 1.008 - 6.659 1.008 - 6.659 Pipe ID min. (saw blade Ø 68/2.677") [mm] 0 0.730 21.3 - 168.3 [inch] 0.236 - 2.874 0.838 - 6.659 1.008 - 6.659 Pipe ID min. (saw blade Ø 80/3.149") [mm] - 0.236 DD range (saw blade Ø 80/3.149") [mm] - 0.236 DD range (saw blade Ø 80/3.149") [mm] - 0.236 DD range (saw blade Ø 80/3.149") [mm] - 0.236 DD range (saw	APPLICATION AREA		GFX 3.0	GFX 6.6
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[inch]-0.236DD range (saw blade Ø 80/3:149")[mm]-21.3 - 156.0[inch]-0.838 - 2.205MaterialsUnalloyed, low-alloyed and high-alloyed steel, special steel, non-ferrous metal aluminum alloys and titanium alloys, composites, plastic TECHNICAL SPECIFICATIONSGFX 3.0GFX 6.6 Dimensions (LXWXH)[mm]570 x 330 x 280575 x 350 x 671[inch]22.44 x 12.99 x 11.0222.64 x 13.78 x 26.42Weight incl. vice[kg]28.574.4[lbs]62.83164.02Power[W]12001200Protection class[Class]IIIIBuilt-in electronic speed regulation with speed stabilization[rpm]30 - 20030 - 200Versions (single-phase alternating current)[V, Hz]120 V, 50/60Hz EU230 V, 50/60Hz EUVibration level (EN 50144)[m/s²]< 2.5		[inch]	0.236 - 2.874	0.838 - 6.659
DD range (saw blade Ø 80/3:149") [mm] - 21.3 - 156.0 Materials Unalloyed, low-alloyed and high-alloyed steel, special steel, non-ferrous metal aluminum alloys and titanium alloys, composites, plastic TECHNICAL SPECIFICATIONS GFX 6.6 Dimensions (LXWXH) [mm] 570 x 330 x 280 575 x 350 x 671 Dimensions (LXWXH) [mm] 570 x 330 x 280 575 x 350 x 671 Weight incl. vice [kg] 28.5 74.4 [libs] 62.83 164.02 Power [W] 1200 1200 Protection class [Class] II II Built-in electronic speed regulation with speed stabilization [rpm] 30 - 200 30 - 200 Versions (single-phase alternating current) [V, Hz] 230 V, 50/60 Hz EU 120 V, 50/60 Hz EU Vibration level (EN 50144) [m/s²] <2.5	Pipe ID min. (saw blade Ø 80/3.149")	[mm]	-	6.0
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MaterialsUnalloyed, low-alloyed and high-alloyed steel, special steel, non-ferrous metal aluminum alloys and titanium alloys, composites, plasticTECHNICAL SPECIFICATIONSGFX 3.0GFX 6.6Dimensions (LxWxH)[mm]570 x 330 x 280575 x 350 x 671Linch]22.44 x 12.99 x 11.0222.64 x 13.78 x 26.42Weight incl. vice[kg]28.574.4[lbs]62.83164.02Power[W]12001200Protection class[Class]IIIBuilt-in electronic speed regulation with speed stabilization[rpm]30 - 20030 - 200Versions (single-phase alternating current)[V, Hz]230 V, 50/60 Hz EU230 V, 50/60 Hz EU[V, Hz]120 V, 50/60 Hz US120 V, 50/60 Hz US120 V, 50/60 Hz US120 V, 50/60 Hz USVibration level (EN 50144)[m/s²]< 2.5	OD range (saw blade Ø 80/3.149")		-	
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Itbs: 62.83 164.02 Power [W] 1200 1200 Protection class [Class] II II Built-in electronic speed regulation with speed stabilization [rpm] 30 - 200 30 - 200 Versions (single-phase alternating current) [V, Hz] 230 V, 50/60 Hz EU 230 V, 50/60 Hz US 120 V, 50/60 Hz US Vibration level (EN 50144) [m/s ²] < 2.5	Weight inclusion			
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Built-in electronic speed regulation with speed stabilization[Frm] $30 - 200$ $30 - 200$ Versions (single-phase alternating current)[V, Hz] $230 V, 50/60 Hz EU$ [V, Hz] $230 V, 50/60 Hz US$ $120 V, 50/60 Hz US$ Vibration level (EN 50144)[m/s²] < 2.5 < 2.5 < 2.5 Sound pressure level at the workplace (EN 23741)[dB (A)] 79.7 79.7 SCOPE OF DELIVERYGFX 3.0GFX 6.6Pipe cutting and beveling machinePCS11Transportation casePCS11Saw blade (Code 790)PCS1 (041 035)1 (042 064)Quick-mounting plate without screw clamps*PCS-1Line laser with holder and fastening screws and 10 button cellsPCS11L5 V (Code 790 142 124)**set11Saw blade lubricant GF TOP (Code 790 060 228)Tube11	Power	[W]	1200	1200
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[V, Hz] 120 V, 50/60 Hz US 120 V, 50/60 Hz US Vibration level (EN 50144) [m/s²] < 2.5	· · · · · · · · · · · · · · · · · · ·	., .		
Vibration level (EN 50144)[m/s²]< 2.5< 2.5Sound pressure level at the workplace (EN 23741)[dB (A)]79.779.7SCOPE OF DELIVERYGFX 3.0GFX 6.6Pipe cutting and beveling machinePCS11Transportation casePCS11Saw blade (Code 790)PCS1 (041 035)1 (042 064)Duick-mounting plate without screw clamps*PCS-1Line laser with holder and fastening screws and 10 button cellsPCS11L5 V (Code 790 142 124)**set11Saw blade lubricant GF TOP (Code 790 060 228)Tube11	Versions (single-phase alternating current)	[V, Hz]	230 V, 50/60 Hz EU	230 V, 50/60 Hz EU
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SCOPE OF DELIVERYGFX 3.0GFX 6.6Pipe cutting and beveling machinePCS11Transportation casePCS11Saw blade (Code 790)PCS1 (041 035)1 (042 064)Duick-mounting plate without screw clamps*PCS-1Line laser with holder and fastening screws and 10 button cellsPCS11J.5 V (Code 790 142 124)**set11Tool key setset11Saw blade lubricant GF TOP (Code 790 060 228)Tube11	Vibration level (EN 50144)	[m/s ²]	< 2.5	< 2.5
Pipe cutting and beveling machinePCS11Transportation casePCS11Saw blade (Code 790)PCS1 (041 035)1 (042 064)Duick-mounting plate without screw clamps*PCS-1Line laser with holder and fastening screws and 10 button cellsPCS11L5 V (Code 790 142 124)**Set11Tool key setset11Saw blade lubricant GF TOP (Code 790 060 228)Tube11	Sound pressure level at the workplace (EN 23741)	[dB (A)]	79.7	79.7
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Saw blade (Code 790) PCS 1 (041 035) 1 (042 064) Duick-mounting plate without screw clamps* PCS - 1 Line laser with holder and fastening screws and 10 button cells PCS 1 1 L5 V (Code 790 142 124)** set 1 1 Tool key set set 1 1 Saw blade lubricant GF TOP (Code 790 060 228) Tube 1 1	Pipe cutting and beveling machine	PCS	1	1
Quick-mounting plate without screw clamps* PCS - 1 Line laser with holder and fastening screws and 10 button cells PCS 1 1 J.5 V (Code 790 142 124)** set 1 1 Tool key set set 1 1 Saw blade lubricant GF TOP (Code 790 060 228) Tube 1 1	Transportation case	PCS	1	1
Line laser with holder and fastening screws and 10 button cells PCS 1 1 1.5 V (Code 790 142 124)** Tool key set set 1 1 Saw blade lubricant GF TOP (Code 790 060 228) Tube 1 1	Saw blade (Code 790)	PCS	1 (041 035)	1 (042 064)
1.5 V (Code 790 142 124)** Tool key set 1 1 Saw blade lubricant GF TOP (Code 790 060 228) Tube 1 1	Quick-mounting plate without screw clamps*	PCS	-	1
Saw blade lubricant GF TOP (Code 790 060 228) Tube 1 1	Line laser with holder and fastening screws and 10 button cells 1.5 V (Code 790 142 124)**	PCS	1	1
	Tool key set	set	1	1
Derating instructions with spare parts list set 1 1	Saw blade lubricant GF TOP (Code 790 060 228)	Tube	1	1
	Operating instructions with spare parts list	set	1	1



GFX 3.0, GFX 6.6

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

* 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.

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