

Art.-no. .11.034.602

Plasma cutting machine  
with PLUS technology

HiFocus 440i

Unmatched flexibility with new high precision plasma cutting machine for CNC guided cutting of electrical conductive materials

- Mild steel from 0.5 up to 80 mm material thickness with HiFocus- respectively HiFocus<sup>PLUS</sup>-technology
- Stainless steel from 0.5 up to 100 mm thickness with HiFocus- respectively HiFocus<sup>PLUS</sup>-technology – virtually dross free up to 70 mm
- Recommended cutting range from
  - 1.0 up to 80 (stainless steel) and
  - 0.5 up to 60 mm (mild steel)
- Piercing up to 40 mm
- Marking and punching on highest level
- High lifetime of consumables using YellowXLife<sup>TM</sup>-technology

#### Power source HiFocus 440i

- Highest flexibility with only one power source from 0.5 up to 100 mm thickness (marking with same torch is possible)
- Worldwide strongest high precision plasma cutting machine
- Extended HiFocus cutting range
- Stainless steel almost dross free up to 70 mm
- Higher cutting speeds more productivity
- Ideal power source for industrial applications, steel producer and steel service centers
- Flexible adaptation to two or three dimensional guiding systems, as there are robots, profile cutting machines or tube cutting machines



#### Plasma torch PerCut 370

- Well established plasma machine torch PerCut 370 with quick-change head
- Flexible application by fast retooling of the torch with heads for cutting up to 160 A respectively up to 440 A
- Cutting and marking with same consumables
- Longevity of consumables by direct torch cooling, swirl-gas technology and second-gas ignition
- Torch cooling with external cooling unit
- Long consumable life with YellowXLife<sup>TM</sup>-technology



PerCut 370 with head 370.1 M up to 160 A



PerCut 370 with head 370.2 M up to 440 A

Our products represent a high level of quality and reliability. We reserve the rights to change design and/or technical specification during the series fabrication. Claims of whatever kind can't derived from this prospectus.

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### Gas consoles

- Manual gas console for cutting with air and oxygen
- Manual multi-gas console for cutting of all materials
- **Automatic gas console FlowControl** with plasma gas valve unit (PGV 3) and control board (PGC).
- Process stability due to real flow controlled plasma gases.
- Integrated cutting chart data bank (PGV 3/PGC)

		
Manual gas console PGE 3-360	Manual multi-gas console PGE-360	Automatic gas console FlowControl

### Technical Data

	HiFocus 440i
Mains connection*)	380/400/440/480 V; 3 Ph; 50 Hz
Connection load	max. 136 kVA
Fuse, slow	200 A
Protection class	IP 22
Open circuit voltage	400 V
Clamping diameter of torch	58 mm / 50.8 mm for rotator
Plasma gases	Air, Oxygen, Nitrogen Argon/Hydrogen
Marking gas	Argon
Swirl gas	Oxygen/Nitrogen, Nitrogen, F 5
Cutting current - Plasma cutting	10 A up to 440 A stepless; 200V, 440 A / 100% ED
- Marking	5 A up to 50 A stepless
Cutting range	
Mild steel	0.5 mm up to 80 mm
Stainless steel	1.0 mm up to 100 mm
Weight	589 kg
Dimensions (L x W x H)	1030x680x1450 mm

\*) other voltages and frequencies on request

**Please note:** All indicated cutting/piercing thicknesses dependent on material and cutting technology.

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