

BASIC DATA - PROCUTTER PC600

Suitable for pipe range (outside diameter)	Ø	50 - 610 mm	2 - 24 inch
Machine length for 6.000 mm pipe lengths		mm	9.143
Machine length for 12.000 mm pipe lengths		mm	15.137
Machine width/depth		mm	2.418
Machine height		mm	1.945
Machine weight for 6.000 mm pipe lengths		kg	2.650
Machine weight for 12.000 mm pipe lengths		kg	3.485
Maximum pipe weight		kg	3.000
Maximum pipe length 6.000 mm			incl.
Maximum pipe length 12.000 mm			option
Minimum pipe length		mm	375
Admissible ambient temperature		°C	0-45
Integrated foundation frame			incl.
CE compliant			incl.

PIPE ROTATION / MAIN DRIVE

Adjustable height main drive		incl.
Height movement, pneumatic		incl.
Opening and closing		manual

PIPE SUPPORT

2 no. Pipe trolley max. load 1.500 Kg each (fixed height)		incl.
Prisma rollerball gutter Ø50 to Ø410		option

CUTTING TROLLEY

Pantograph cutting head		incl.
Vertical out of roundness compensation mechanism		incl.
Maximal longitudinal speed	mm/min	20.000
Cutting stroke / torch travel of 6.900 mm	mm	incl.
Cutting stroke / torch travel of 12.900 mm	mm	option
Pneumatic height axe		incl.

SOFTWARE

Manual machine programming (MDI)		incl.
Manual office programming (OPPL)		option
CAD/CAM connection		option
Auto nesting program (AN)		option

MACHINE ACCURACY

Main drive rotation	°	± 0,25
Cutting trolley longitudinal movement	mm	± 0,5
Torch tilting	°	± 0,5

CUTTING ACCURACY

based on circular pipes with constant wall thickness

In compliance with ISO9013, Tolerance class C and Quality Part 4, Quality 1.		incl.
Cutting length	mm	± 1,5
Bevel	°	±2

CUTTING PROCESS

oxyfuel		
Wall thickness range at 45° cutting angle: from 3-50mm		incl.
Electric gas valves and ignition		incl.

plasma – Kjellberg

Air plasma FF450 (34kVA) or PA-S45W; wall thickness range at 450 cutting angle, 31mm max, quality cut 24mm		
O2 cutting, Ar/H2 cutting, Ar/H2/N2 cutting		option

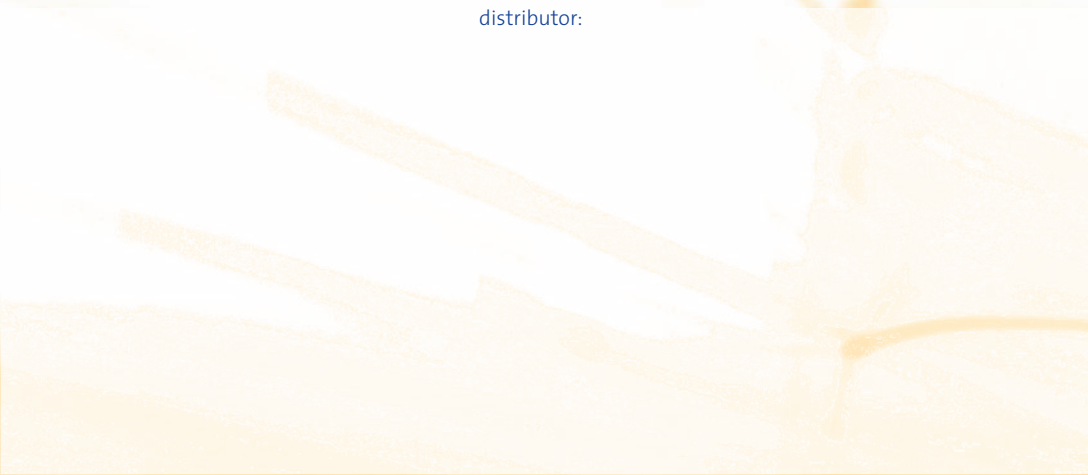
FUME EXHAUSTION

Fume exhaustion point + spark collector at main drive (excl. ventilator)		option
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CONSUMPTION

Tot. consumption 380-440V +10%-10%; 3phase + earth/ground 50Hz (oxyfuel)	kVA	12
Tot. consumption 380-440V +6%-10%; 3phase + earth/ground 50Hz (plasma)	kVA	46
Machine; Compressed air 6 bar, not greased, non condensed (dow point 4°)	NI/min	40
Oxyfuel cutting; Acetylen for t= 50 mm and 45° cutting angle at 1,5 bar	NI/min	50
Oxyfuel cutting; Oxygen for t= 50 mm and 45° cutting angle at 10 bar purity 98%	NI/min	270
Plasma cutting Compressed air; 6 bar, not greased, non condensed (dow point 4°)	NI/min	26
Plasma cutting O2; 6 bar, 99,8% purity	NI/min	25

distributor:



www.hgg-group.com



pipe profiling machines

ProCutter
pc600

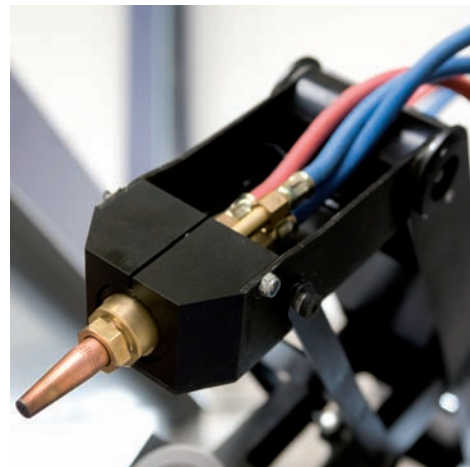


HGG
specialists
in 3D profiling



3D pipe cutting

- biaxial cutting head for bevelling
- oxyfuel or plasma cutting



3D pipe cutting *becomes affordable*

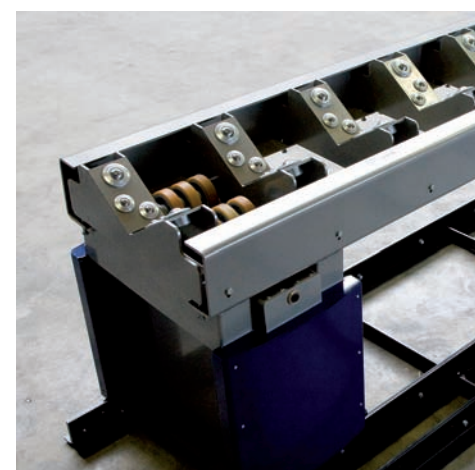
Wide working range

- 50 - 610 mm
- 6.000 mm or 12.000 mm pipe lengths



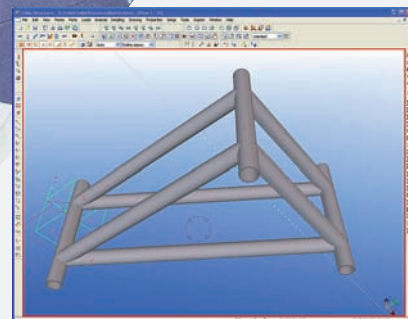
Affordable & from stock

- 25 years of experience integrated in a new, clever and therefore affordable design
- modular machine concept available from stock



Efficient

- data connection to various design programs like TEKLA structures
- roller ball gutter for efficient handling



>> 1 | Programming

Directly on the machine, or in the office, cutting files are being programmed. Cutting shapes are selected in drop down menus and parameters like diameters, wall thickness, bevel, slope, eccentricity, offset etc. need to be added. Alternatively these cutting files can be generated through design systems like TEKLA Structures.



>> 2 | Loading

The operator activates a programmed file from the network. A pipe is loaded on the pipe support by crane.



the way it works

>> 3 | Leveling

With a spindle the operator levels the pipe (only in case of diameter variation).



>> 4 | Clamping

Next the operator clamps the pipe with the self centering 3 jaw chuck.



>> 5 | Cutting

The operator brings the cutting head to the end of the pipe and releases for the first cut. After release, the machine positions itself automatically for the next cut. This procedure continues till all cuts are processed.



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Easy operation

- graphic navigation on touch screen
- easy parameter based programming

