



## Beveling Machine Piranha

The Piranha is a high-precision beveling machine for face-side pipe processing – compact, fully automated, and powerful. It is ideal for preparing weld seams on pipes with various geometries and wall thicknesses. A standout feature is the tactile measurement and adaptive machining based on the pipe contour.

The system integrates seamlessly into existing production lines.

### Two machining units - maximum flexibility

At the heart of the machine are two powerful 3-axis systems, each equipped with its own tool spindle. Each side has a separate tool magazine with up to seven places - including a tactile measuring sensor for precise detection of irregularities according to the roundness.

The company's own software analyzes the measurement data and uses it to calculate an exact machining contour. This produces perfectly milled bevels - e.g. 30°, 37.5°, tulip seam and much more. - exactly to instructions and without any retooling.

### Outstanding features

- Automatic pipe geometry measurement via tactile probe
- Free-form or circular milling paths calculated by software
- Face-side facing & internal beveling
- Pipe diameters: DN 30 to DN 500
- Pipe length: Up to 6 m

- Clamping system with comb-style jaws for secure seating
- Servo-hydraulic clamping force control based on diameter and wall thickness
- Lowerable roller conveyor for short pipes from 800 mm – avoids collision with milling unit
- Encapsulated chain drives – low maintenance and quiet operation

### Additional options

- Integrated chip conveyor for clean processes
- Freely configurable tool magazine
- Material-specific tooling possible (e.g. stainless steel, aluminum)
- Special solutions can be implemented at any time (e.g. sound insulation, painting, milling of special profile geometries)

### Technical Data

SPECIFICATIONS	
Pipe lengths	0.8 – 6.1 m
Pipe diameter	31.6 – 500 mm
Rohrgewicht	Max. 200 kg/m
Spindle drive power	13 kW
Net weight	14 t

Contact person in the PIPE PROCESSING MACHINES division:

Julian Gieg | julian.gieg@3defacto.de | P. +49 170 3833005