

NEW

CPC-B CHAIN TRAVEL PIPE CUTTING AND BEVELING MACHINE

The new Pipe Cutting and Beveling Machine is able to cut pipe wall up to 2" (50 mm), bevel high tensile stainless steel pipes, and work in the most extreme temperatures. Available in Hydraulic and Pneumatic options, the machines will cut and bevel most machinable materials, including carbon steel, stainless steel, ductile iron, cast iron, and most other alloys without spark or flame.

The heavy duty chain tensioning mechanism, encased in a high strength alloy frame provides the necessary rigidity and strength for cutting the pipe at the highest travel speed possible. The frame of the machine has six wheel positions to better follow the radius of the pipe and allow the radius of the pipe and allow tracking accuracy on a 36" pipe of better than 0,3 mm.

The machine is equipped with a two speed drive gearbox, which provides positive movement of the machine around the pipe in all kinds of pipe cutting conditions. No out-of-round compensation is needed as the machine follows the pipe's outside diameter.

Benefits & Features:

- Suitable for pipe from 6" (150 mm) to 276" (7010 mm) in diameter and beyond with one machine
- Capable of cutting up to 2" (50 mm) wall thickness
- Two-speed drive gearbox with adjustable speed control and reverse gear included as standard
- Compound bevel angles, J prep, U prep and bevels requiring a land can be easily achieved
- Out-of-round compensation is unnecessary
- Pneumatic and Hydraulic versions are suitable for use in no-spark environments

Weight: 235 kg (pneumatic)
216 kg (hydraulic)

Technical details:

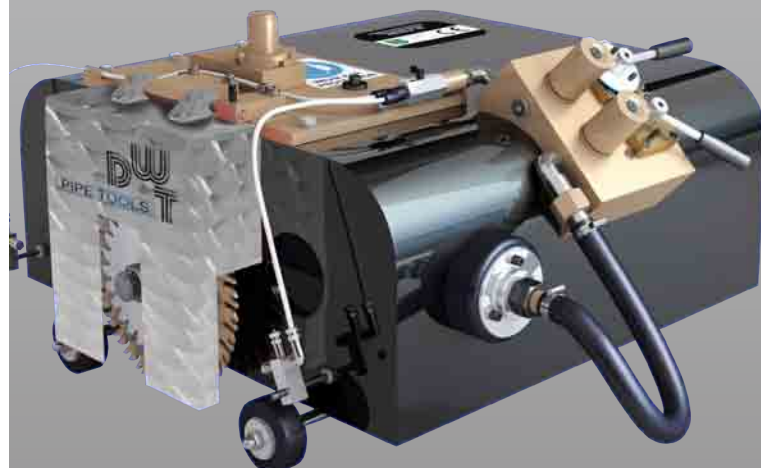
Factory Tolerance: +0,5 mm when used with optional guide chain

Cutting Speed: Up to 60 mm per minute

Cutter Motor Power: **Pneumatic:** 2,75 KW
Hydraulic: 4 KW

Max Cutting Depth: 50 mm (two passes)
25 mm (one pass)

Safety Compliance: EU Machinery Directive
2006/42/ec



HYDRAULIC AND PNEUMATIC MACHINES



Hydraulic Type

The hydraulic driven machine is designed for cutting heavy wall, high alloy pipes or particularly tough steel applications. The closed loop hydraulic system ensures proper lubrication is applied to the drive motors, which extends the life of the machine. The dual hydraulic motors are infinitely adjustable and deliver consistent horsepower to the cutting blades and drive motors.

Two hydraulic motors drive the machine. The 4 KW hydraulic motor coupled to the heavy duty transmission rotates the cutting blades up to 76 RPM. The 1 KW motor connected to the two speed transmission moves the machine around the pipe. Due to the extreme performance of the machine, the hydraulic version must be used with a Power Pack capable of delivering 50 ltr/min at 100 bar pressure in order to achieve maximum results.

To cut very thick walled pipes multiple passes may be required. In order to maintain the same degree of accuracy a guide chain must be used in these situations. For pipe OD > 36" (914 mm) it is also recommended for high return accuracy and for OD > 48" (1219 mm) it is generally recommended. These can be supplied as standard up to 63" (1600 mm). For larger pipes suitable chain kits can be purchased.

Pneumatic Type

The pneumatic driven machine is an excellent tool for both field and shop work. It is best used for cutting pipes in explosive environments such as refineries or on pipelines conveying natural gas, crude oil or crude oil by-products.

Machine speed and blade RPM are controlled by means of two metering valves located on the control block. Airflow to the main drive motor and the blade motor can be shut off simultaneously with the start/stop control valve, located on the control block.

Two highly reliable, heavy duty pneumatic air motors drive the machine. The 2,75 KW motor coupled to the heavy duty transmission rotates the cutting blades up to 71 RPM. The 0,56 KW motor connected to the two speed transmission moves the machine around the pipe.

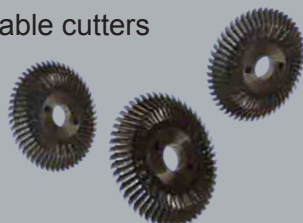
Beveling blades are available in various configurations such as 30°, 37.5° and 45° beveling angle, as well as "U" joint and "J" prep. Due to the extreme performance of the Machine, the pneumatic driven version requires a compressor capable of delivering a minimum of 8 bar (g) at 4000 ltr/min in order to achieve maximum results.

Accessories

Milling Cutters

Durable cutters for all major beveling machines

- High speed cutting is standard (ASP30 or ASP60 optional)
- Cutting blades available as 30°, 37,5°, 45°
- High quality, durable cutters



Hydraulic Power Pack

Petrol



Electric



Guide Chain

