

PROTEM

A CUT ABOVE THE REST



HSB Series

oil & gas beveling equipment

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oil & gas bevelling equipment



US 420 HSB



US 150 HSB

The **US-HSB** series are designed to bevel, face and counterbore tubes and pipes at extremely high speeds, required when time and efficiency are crucial.

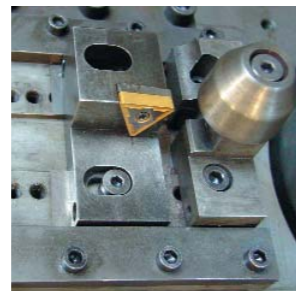
Fully hydraulic, starting with the inside clamping system, the tool holder rotation and the feeding of the tools, these machines can be used either in the workshop as prefabrication PFM, or in the field as bevelling tools for high quality orbital welding.

These machines will perform repeatably, any high quality welding geometry preparations, from standard steel pipes to the most exotic ones like stainless steel, duplex, super duplex, and others used commonly on today's field.

They are easily transportable to insert inside the tubes to be bevelled, with their lifting bracket. With the inner self centering hydraulic clamping device only one skilled person is required to fully operate them.

Two inside profile tracking tool holders rotate simultaneously on the tool holder plate, to perform, the bevelling, facing and counterbore if required, all at once and at a very high speed on any oval pipe, leaving a root face at a constant width, for today's orbital welding high standard bevel geometry.

Its rugged construction and long lasting quality even on the harshest environment, makes the **PROTEM US-HSB** series machines, a worldwide recognition from Norway's offshore, to the Middle East desert or Alaska and Siberia's extreme weather condition and temperatures.



ID tracker



Hydraulic control



US 620 HSB shaft



US 420 HSB 18"

MACHINES CAPACITIES

| | | |
|-------------|------------|-----------------|
| US 80 HSB | 6" to 10" | 130 to 273 mm |
| US 150 HSB | 10" to 14" | 160 to 355 mm |
| US 220 HSB | 14" to 22" | 355 to 558 mm |
| US 420 HSB | 22" to 30" | 558 to 762 mm |
| US 620 HSB | 30" to 38" | 762 to 965 mm |
| US 820 HSB | 38" to 46" | 965 to 1160 mm |
| US 1020 HSB | 46" to 54" | 1160 to 1370 mm |
| US 1220 HSB | 50" to 60" | 1270 to 1524 mm |

CUTTING SPEED & MOTOR DRIVE

Variable from 0 to 150 m/minutes, with two or three hydraulic motors depending on wall thickness and material requirement.

OPTIONAL EQUIPMENT

Anything specific required, please consult us.
Outside clamping machine OHSB

HYDRAULIC POWER UNIT

It is a large rugged unit made with three different pumps, two for the rotation of the tool holder, and the other completely independent for the inside clamping pressure and the hydraulic feed. They are air cooled or electrically heated, and incorporate the latest electrical protections switches, a complete remote control, and an Hydraulic oil filter. A 400 V, 50-60 Hz, 3 phases intake is required and the following two options are available.

| | | | |
|------------------|--------|---------|----------|
| 55 KW electrical | 75 HP | 1100 kg | 2420 Lbs |
| 75 KW thermal | 100 HP | 1350 kg | 2970 Lbs |

