



BEVELLING MACHINES

THE FUTURE OF **ON-SITE MACHINING**

LBW MACHINES LTD IS A STRATEGIC PARTNER FOR THE GLOBAL DISTRIBUTION AND THE IMPLEMENTATION OF PORTABLE MACHINING, CUTTING, AND WELDING EQUIPMENT.

OIL AND GAS

NUCLEAR

OFFSHORE

SHIP REPAIR & BUILD

HEAVY PLANT

MINING & QUARRYING

POWER GENERATION

PETROCHEMICAL

WIND POWER

BIOCHEMICAL

PHARMACEUTICAL

AEROSPACE

AERONAUTIC

DEFENCE

PIPELINE

US80 - BEVELLING MACHINE

From Ø 32mm to Ø 114.3mm

SKU: US80 | US80D | US80HY | US80HY-DV | US80HY-SD | US80HY-SDV

TECHNICAL DATA

Dimensions Overview

DIMENSIONS

HEIGHT: 500.12MM

LENGTH: 618.5MM



SPECIFICATIONS

MACHINING CAPACITY:	80mm ID – 355.6mm OD - With Optional Kit: 80mm ID – 610mm OD
BEVEL SHAPES & ANGLES:	I, V, U, X, Compound Bevels, Other Shapes on Request
CLAMPING:	Manual with Key
FEED STROKE:	25mm
DRIVE POWER:	NB: Pneumatic Driven Machines have to be used with a lubricating filter. Recommended Option: Regulation Valve.
SINGLE PNEUMATIC DRIVE:	1,47 kW, 6 bar (87 psi), 1800 l/min (63 cfm)
DUAL PNEUMATIC DRIVE:	2 x 1,47 kW, 6 bar (87 psi), 2 x 1800 l/min (2 X 63 cfm)
ELECTRIC DRIVE:	2200W

OPERATIONAL BENEFITS

The US 80 portable tube and pipe heavy duty beveler combines sturdiness, reliability, efficiency and versatility in one machine, providing safe and easy use for all operators.

The standard tool plate will accept multiple tool bits, allowing up to four simultaneous machining operations. Such operations may include 30, 37, 30, 45 bevels with or without land, J-bevels, compound bevels, facing, counterboring operations etc. The US80 heavy duty beveler will perform repeatable high quality weld preparations on all types of materials including mild steel, chrome, stainless steel, duplex, super duplex, copper-nickel alloy, steel, inconel, P91, aluminum, copper and exotic alloys. It can be either pneumatically, electrically or hydraulically driven.

The tool bits can be changed and adjusted very quickly. Carbide tool inserts may also be used.

- Portable ID locking tube end forming machine - Perfect weld preparation
- Suitable for I, V, J-preps, compound bevels, weld removals, cut to length of tubes, counterboring operations
- Flange facing/single point machining available on request
- Short clamping mandrel for elbows, fittings, tees, flanges
- For almost all environments: irradiated areas, extreme conditions, subsea, etc.
- For construction, inspection and repair works
- On the job site or in the fabrication workshop



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