

# Swade-Sir™

MACHINE TOOLS EST. 1942

## 10 BH TUBE BENDING MACHINE

### TYPE - UNIVERSAL DRAW BENDER 2" CAPACITY

#### Model 10 BH Tube Bending Machine

is a Universal Draw Bender type designed to form precision bends using mild steel, stainless steel, or non-ferrous materials in either tube or section forms

Features include slide block pressure applied by cam action clamp, tube clamping by quick action cam lock, giving ease and speed of operation, plus rapid setting-up times for short run production.



- Engineered from the highest quality materials
- Simple setup and operation
- Consistent bend angles
- Simple bend angle selection
- Bench mounted or portable
- Built in stop for repeatable bends
- Powered by Enerpac high pressure hydraulics
- Guaranteed workmanship
- After sales tooling service

#### 10BH Tube Bending Machine ( Base Machine)

- Simple bends without use of mandrel or slide block can be performed with the use of special slide block jaw attachment
- The standard machine can be supplied with a mandrel bed attachment and supplied with special tooling for bending very thin wall tubes or bend on small radii



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M A C H I N E T O O L S E S T . 1 9 4 2

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10 BH shown fitted with base cabinet, 2 metre mandrel bed and manual mandrel extractor. ( Tooling shown is optional extra)

See page 4 for ordering details.

Below: Shows same machine fitted with hydraulic mandrel extractor



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## SPECIFICATIONS

<b>Operations:</b>	Portable. Cam lock tube clamp. Cam lock slide block adjustment. Direction of bend right hand. Air/Hydraulic or electrohydraulic.		
<b>Capacity:</b>	50mm (2") X 3mm (10 SWG).		
<b>Maximum Angle of Bend</b>	180 degrees plus allowance for material spring back.		
<b>Maximum Radius:</b>	300mm (12") Centre Line Radius.		
<b>Minimum Radius:</b>	Minimum Radius 2D Centre Line Radius		
<b>Overall Dimensions:</b>	Approximately 85cm long x 35cm wide x 115cm high.( With cabinet)		
<b>Net Weight:</b>	Approximately 130kg including standard tooling and pump.		
<b>Additional Attachments:</b>	Mandrel attachment bed Hydraulic slide block jaw Tooling for below standard radius bends Multi-groove formers Optional pump (any suitable Enerpac pump)	Ball mandrels Plain mandrels	Tooling for thin wall tubes Mandrel extractor
<b>After Service Sales:</b>	A tool service is available for special bending applications: such as thin wall tubing, angle iron, square and other extruded materials.		
<b>Spare Parts:</b>	Available from stock.		
<b>Machine Speed:</b>	(Seconds for 90 degree bend 40mm x 1.6 Tube)		
	10 BHA	Approx 27 Seconds	
	10 BHB	Approx 18 Seconds	
	10 BHC	Approx 6 Seconds	

All specifications are subject to change without notice.

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#### ORDERING INFORMATION

MODEL	MACHINE CONFIGURATION
10BH-A	Base Machine, 2" Capacity Air-Hydraulic Powered
10BH-B	Base Machine, 2" Capacity 1/2 HP Electric-Hydraulic Powered
10BH-C	Base Machine, 2" Capacity 1 1/2 HP Electric-Hydraulic Powered
10BH-AS	Cabinet Mounted Machine, 2" Air-Hydraulic Powered
10BH-BS	Cabinet Mounted Machine, 2" Capacity 1/2 HP Electric-Hydraulic Powered
10BH-CS	Cabinet Mounted Machine, 2" Capacity 1 1/2 HP Electric Hydraulic Powered
10BH-ASM2	Cabinet Mounted Machine, 2" Capacity 1/2 HP Electric-Hydraulic Powered Fitted with 2M Mandrel Bed and Manual Mandrel Extractor.
10BH-BSM2	Cabinet Mounted Machine, 2" Capacity 1/2HP Electric-Hydraulic Powered Fitted with 2M Mandrel Bed and Manual Mandrel Extractor
10BH-CSM2	Caninet Mounted Machine, 2" Capacity 1 1/2" HP Electric-Hydraulic Powered. Fitted with 2M Mandrel Bed and Manual Mandrel Extractor.
10BH-M2	Mandrel Bed ( 2 Metre ) Mandrel Bed and Manual Mandrel Extractor.

**NOTE: Tooling is not included with the above machines.**

**All tooling is quoted and supplied to specific requirements, see examples below.**

