

BEHRINGER



High Performance Semi-automatic and Automatic Bandsawing Machines HBP 360 - 360 A - 430 - 430 A



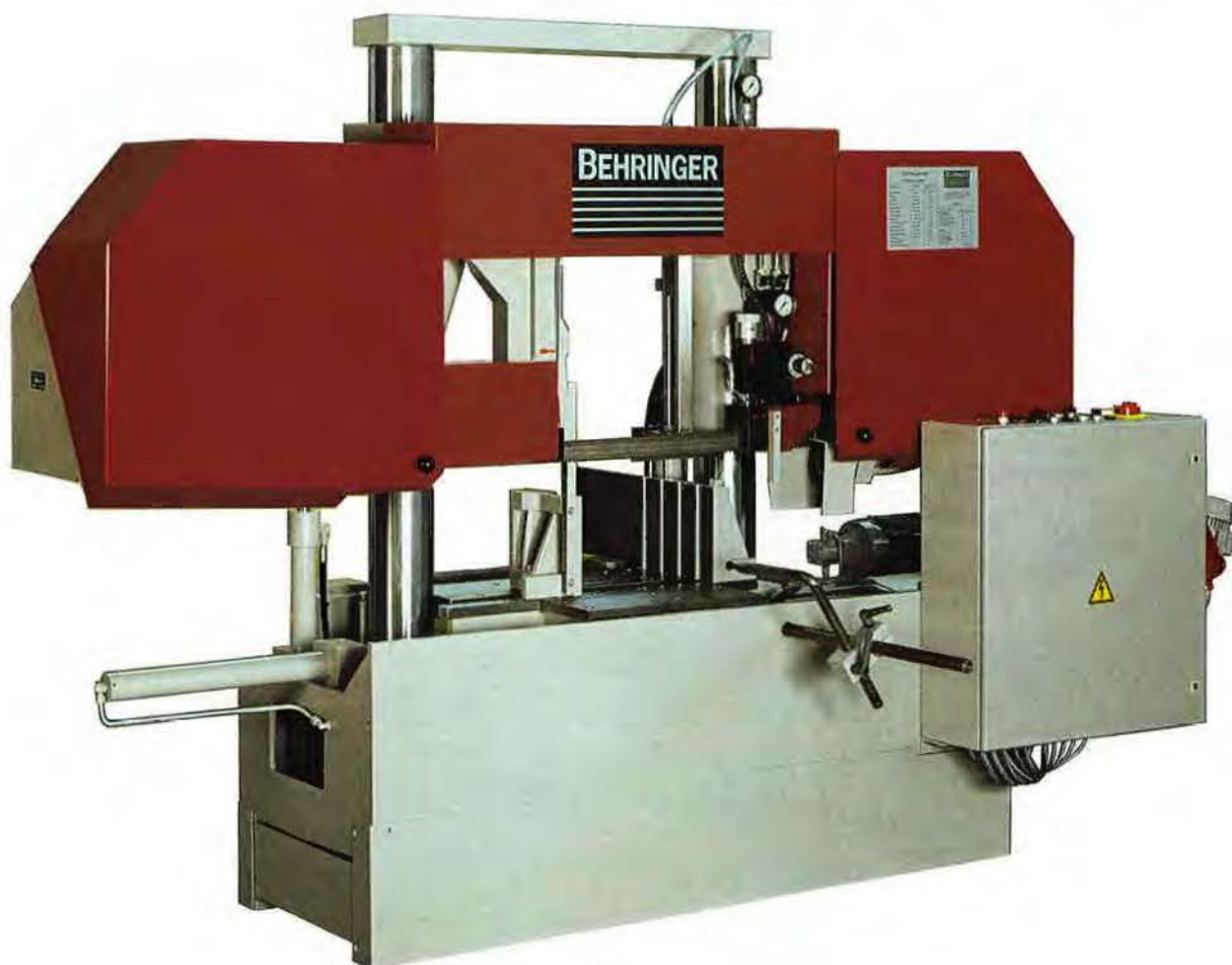
State-of-the-art Technology
Through Research
And Experience

High-performance Bandsawing Machines HBP 360 and HBP 430

Investment, tooling and operating costs must be balanced against performance improvements they enable.

This important point was paramount in the design of the new efficient and cost-effective range of BEHRINGER high-performance bandsawing machines. Our decades of experience in the design

and production of bandsaws has resulted in satisfied customers throughout the world, validating the concepts incorporated in our range of machinery.



Standard equipment on all models

Blade tensioning

Electrically monitored hydraulic blade tensioning.



Accessibility

Easy-to-read instruments. User friendly operation.



Control panel

Chart for cutting parameters. Ergonomic design.



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High-performance Bandsawing Machines HBP 360/A and HBP 430/A

The cost-efficiency of our machinery is the result of careful costing, manufacture of our own castings using state-of-the-art

induction smelting techniques, the economy of scale afforded by large-batch production and painstaking quality.

A prerequisite for optimum performance is the inherent rigidity of the machine combined with a powerful, vibration-free drive unit.



Standard equipment on all models

Chain driven chip brush

Running synchronously with drive.
Easily adjustable.



Clamping pressure reduction

Infinitely adjustable for material clamping.



Cutting speed

Infinitely variable with direct display.



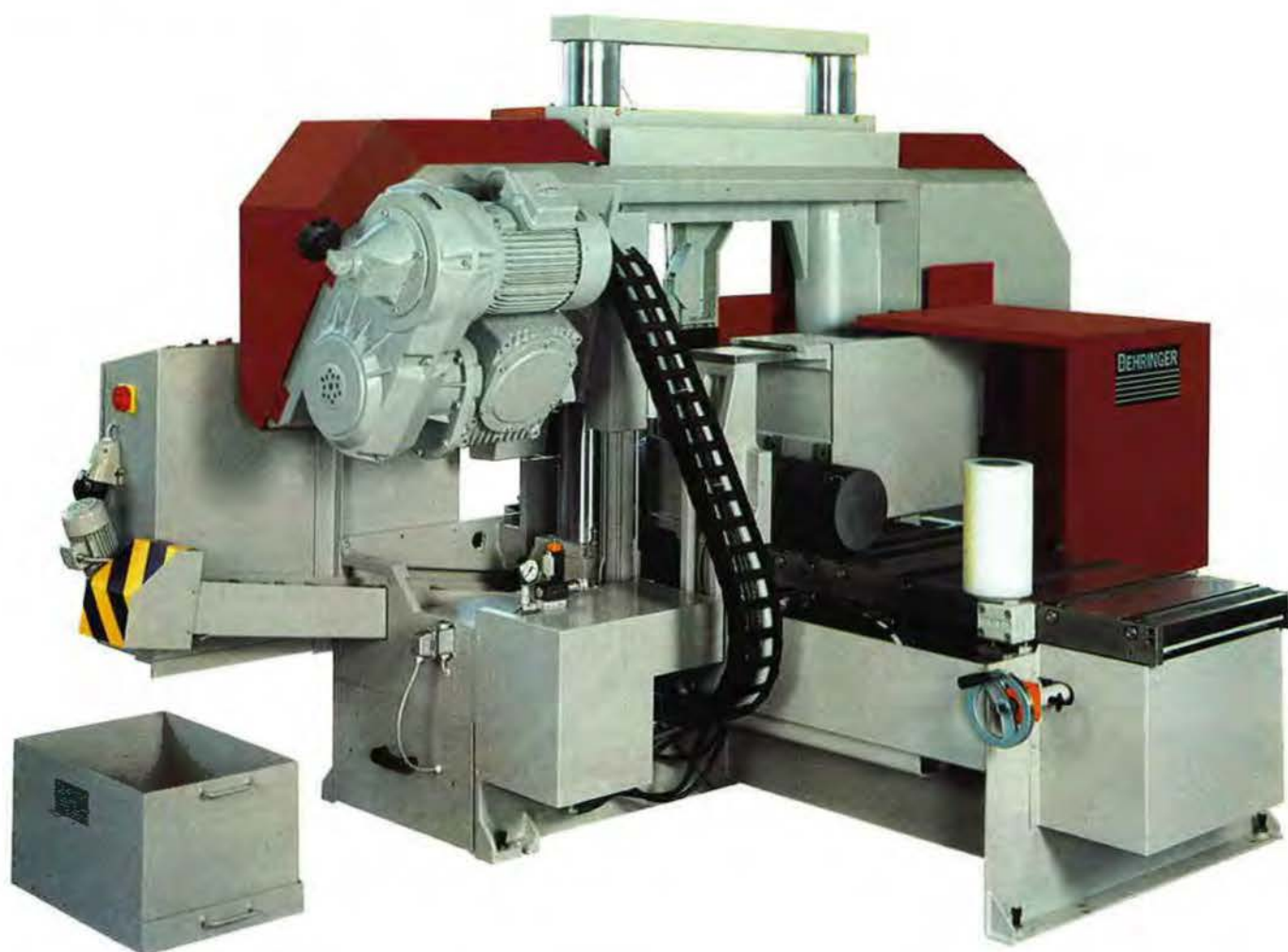
High-performance Bandsawing Machines

HBP 360 A and HBP 430 A

Torsion-free cast construction is combined with a rigid, parallel action, twin-pillar design supporting the cast bow and main drive.

The horizontal band arrangement and hydraulically tensioned tungsten-carbide guides afford the blade excellent support

right up to the material. After the cut, the bow retracts and the drive is simultaneously switched off.



Standard equipment for automatic machines

Double vise arrangement

For safe clamping on both sides of the sawband (even on short pieces).



Close-pitch roller conveyor

With robust guide roller.



Presetting of cut-off lengths

Digital display.
Adjustable to within 0.0039".



Accessories and extra equipment



◁ CNC-Programming

With DC-Terminal and SPS Control System for several combinations of cut length and batch.
Integrated multiple feed control, zero positioning, working hour size, recording of cutting time.
Counter and error messages in plain language.

▷ Swarf conveyor and swarf container

Driven scraper-type conveyor efficiently removes swarf leaving coolant behind.



◁ Bundle clamps

With quick change connections
Horizontal clamping range:

- HBP 360 A 6.3" - 12.6"
- HBP 430 A 6.3" - 12.6"

Vertical clamping range:

- HBP 360 A 4.72" - 7.09"
- HBP 430 A 4.33" - 8.27"

▷ Driven roller conveyors

In standardized lengths of 86.61", solid rollers with pedestal bearings and single drive for all rollers.



◁ Bundle preparation roller conveyor

With coolant collecting trough. Bundle is prepared during cutting and can easily be transported into the machine.

▷ Non driven roller conveyors

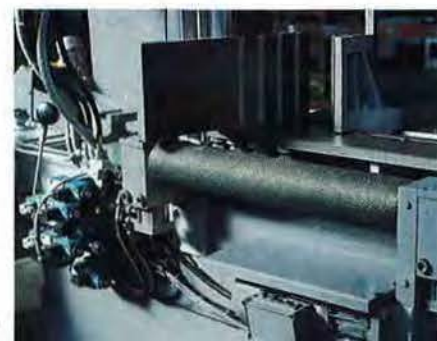
In standard lengths of 39.37" and 78.74" with staggered pitch, either with or without cover plates.



◁ Vibratory output conveyor

Produces components virtually free of swarf when cutting in layers or bundles.
Equipped with a rinsing apparatus, swarf collector and coolant return system.

▷ Hydraulic lifting roller


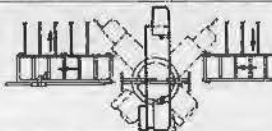
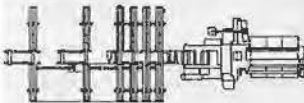
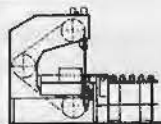



Technical Data

HBP 360 and 360 A - HBP 430 and 430 A

Model	HBP 360	HBP 360 A	HBP 430	HBP 430 A
Cutting capacity, round (inches)	14.17	14.17	16.93	16.93
Cutting capacity, square (inches)	23.62 x 14.17	14.17 x 14.17	23.62 x 16.93	16.93 x 16.93
Cutting width 45° mitre (inches)	12.6	-	12.6	-
Working height (inches)	27.56	27.56	27.56	27.56
Length of end piece <small>automatic operation (inches)</small> <small>single stroke (inches)</small>	<small>-</small> 1.57	<small>2.76</small> 1.38	<small>-</small> 1.57	<small>2.76</small> 1.38
Cutting speed (feet/min)	62.34 - 426.51	62.34 - 426.51	55.77 - 360.89	55.77 - 360.89
Driving capacity, saw motor (kW)	5.5	5.5	7.5	7.5
Total installed power (kW)	8	9	10	11
Sawband dimensions (inches)	212.6 x 1.5 x 0.05	212.6 x 1.5 x 0.05	228.35 x 1.97 x 0.05	228.35 x 1.97 x 0.05
Weight (lbs)	3750	6250	4380	7090
Floor space required (inches)	114.96 x 59.06	114.96 x 86.61	118.11 x 59.06	118.11 x 86.61
Total height (inches)	72.83	72.83	79.92	79.92

Range of products

	Twin-Pillar High-Production Bandsawing-Machines
	Mitre Cutting Bandsawing Machines with Measuring and Handling Systems
	CNC-Bandsawing Machines with Automated Material Transport
	Block Bandsawing Machines
	Semi-automatic and Automatic Hacksawing Machines

Subject to alterations