

*reliable
and fast*



**Types BAS 160 • BAS 210
BBA • BLS**



Flash Butt Welding Machines

for automatic welding of saw blades within seconds without filler material – highest resistance and uniform structure of welds by high upsetting force – heavy industrial machine for saw blade manufacturers and professionals having a high weld frequency

Option: Thyristor-auto annealing system with temperature control via optical pyrometer

Shield Gas Arc Welding Machines

for welding of blades upto 420 mm width – well-proven MIG-welding process with filler wire under protective shield gas – affordable machine specially made for the repair service – guiding system for the welding torch made for automatic drive by gear motor or for manual drive by operator

Butt Welding Machines for log bandsaws, for wide wood cutting bandsaws

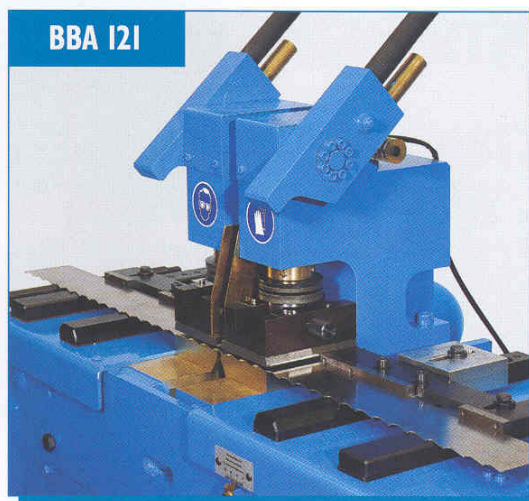
Flash Butt Welding Machines

for highly resistant welds in wide saws



- Flashing cycle by cam disk and adjustable gear motor – forging produced by pneumatic cylinder
- Welding parameters precisely adjustable for constant, equal weld results
- Uniform annealing on the whole blade width by potentiometer and timing unit; on request: auto-annealing system with closed loop for measuring of temperature by optical pyrometer and regulating of current
- Ease of machine maintenance and long lifetime of machine

- Simple preparation of saws for the butt welding process by right-angled shearing of the saw ends
- Perfect alignment of the welds by precision guiding of welding jaw in ball-bearing bushings on hardened, ground shafts



Type		Width of blades (mm)	Transformer (kVA)	Weight (net, kg)
BBA 121	manual clamping device	25 - 120	25	approx. 300
BAS 160	hydraulic clamping device	25 - 160	45	approx. 430
BAS 210	hydraulic clamping device	35 - 206	70	approx. 660

Shield Gas Arc Welding Machines

for saw blade manufacture and repair service

- MIG-weld produced under shield gas with continuously fed filler wire; addition of blade plates for starting and stopping of torch drive outside of blade width for avoiding of any holes at the end of the weld seam
- Machine table having rear stops for aligning of the back of the blades and rigid clamping device with pivoting clamping arms
- Interchangeable heating rail for preheating of band ends for the weld process and for annealing of the weld joints
- Torch holder easily adjustable in height and to the side, speed continuously adjustable – torch to be put to wanted position easily by manual driving – type BLS 320 02 equipped with drive system for manual guiding of the weld torch
- MIG-power source for free selection of weld parameters including gas and filling wire feed
- Easy to understand machine for perfect ease of operation by unskilled labour

High resistant welds by ease of operation



Type	Width of blades (thickness from 0,8 mm)	Weight (net, kg)	Packing sizes (mm)
BLS 320	60 - 320	430	1300 x 780 x 1400
BLS 420	60 - 420	450	1300 x 880 x 1400

Accessories for perfect ease of operation

Saw Blade Shears

- for square cutting of the blade ends
- shears specially developed for precise square cut without burr of blade ends
- rigid guiding of superior cutting knife, gripping device and scale for measuring of teeth pitch
- cutting knives to be used at several edges and easily interchangeable

AHE 250



Type	Max. width of blade (mm)	Weight (kg, net/gross)	Packing sizes (mm)
AHE 160	160	approx. 30/45	approx. 570 x 400 x 380
AHE 250	250	approx. 170/215	approx. 950 x 700 x 800
APE 250 (pneum.)	250	approx. 450/535	approx. 1750 x 1050 x 1600

Electric Grinding Machines

- for removing of weld flash from horizontal surfaces of blades
- grinding in longitudinal direction to avoid the production of fine cracks
- grinding head equipped with 3 phase motor, protected against grinding dust
- pneumatic clamping device for clamping of band during grinding
- tubing for aspiration of grind dust to be connected to customer aspiration system
- manual grinding tool for cleaning the MIG welds (for BLS 320)

SMP 120



Type	Max. width of blade (mm)	Motor capacity (kW)	Weight (net, kg)
SMP 120	120	0,75	approx. 97
SMP 300	300	0,75	approx. 120



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