






ARC WELDING MACHINE MODELS LBS 043 - 045 - 050

LBS arc welding machines join steel, stainless steel, aluminum, copper, and precious metal strips using the butt-welding process with maximum process flexibility. Strip widths ranging from 8 to 1800 mm and material thicknesses starting at 0.23 mm can be reliably welded with short cycle times. Cutting, welding, and smoothing are performed in an integrated process - semi - or fully automated.

GENERAL ADVANTAGES

- MIG/MAG, TIG, or plasma welding processes with or without filler material
- Strip widths from 8 to 1800 mm, particularly suitable for electrical steel sheets from 0.23 mm thick
- Integrated single- or double-cut shears for optimal seam preparation and maximum weld quality
- Automatic strip edge detection and strip edge correction
- Conveyor belt for automatic removal of the sheared strip ends
- Adjustable welding angle (7°–90° for 8–40 mm strip width) to increase strip tensile strength
- Smoothing roller or milling cutter for minimal seam protrusion
- Ideal for continuous production lines such as pickling, coating, furnace, profiling, tube, or rolling lines

LBS 043	LBS 045	LBS 050
		
Small to medium-sized steel, non-ferrous metal, or aluminum strips	Universal coil splices, small to medium-sized steel or non-ferrous metal strips	Wide strip widths, steel strips up to 1250 mm, including stainless steel, aluminum, copper, silver, and gold
Applications Punching and roll forming lines, pickling, coating, inspection, and rolling lines	Applications Punching and roll forming lines, pickling, coating, inspection, and rolling lines	Applications Pickling, coating, inspection, furnace, pressing, punching, roll forming, tube, and galvanizing lines
Materials and Specifications: Strip width 15 - 320 mm Strip thickness 0.3 - 3 mm Strip tensile strength 500 N/mm ²	Materials and Specifications: Strip width 8 - 180 mm (depending on type), Strip thickness 0.2 - 3 mm Strip strength 650 - 750 N/mm ²	Materials and specifications: Strip width 40 - 1250 mm Strip thickness 0.23 - 7 mm Strip strength 500 N/mm ²
Optional modules: Chassis for moving the strip off the production line, manual smoothing roller for flattening the weld zone	Optional modules: Chassis on rollers/rails/electric drive, manual or automatic smoothing roller	Optional modules: Fully automatic line integration, hole punch for seam detection, drive roller for positioning the strip end, light barrier