

LMD2500 2Z LONG BELT FINISHING MACHINE



OVERVIEW:

The LMD2500 2Z is a twin belt stroke sander that enables flat surface finishing, as well as corners or the edges of materials. This machine is ideal for irregular shapes polishing, weld removal and laser cut parts deburring and edge rounding.

The flexible and adjustable table is useful when, because of the large dimensions of the materials to be finished, you are unable to move the workpiece.

With the LMD2500 2Z you move the table by motor and use the adaptability of the twin belts together with several grinding tools to finish the areas you need.

TECHNICAL DATA:

Working capacity (mm)	2500x1100x710	STANDARD EQUIPMENT: - Flat grinding tool and contact roller on counterweight system - Motorized height adjustment - Flat manual grinding pad - Pneumatic belt tensioning - Variable abrasive belt speed AVAILABLE ACCESSORIES: - Deburring and edge rounding tool - Handling clamping device - Dedicated rack for handling device/table storage - Second tool carrier in counterweight system
Loading capacity (kg)	200	
Abrasive belt dimensions (mm)	(2x) 120x8500	
Abrasive belt motor (kW)	4	
Table motor (kW)	0.37	
Consumption (A)	9	
Dimensions (mm)	4300x2220x2005	
Weight (kg)	1200	



Pneumatic tensioning for both grinding belts



Contact roller with width adaptability assembled on counterweight system



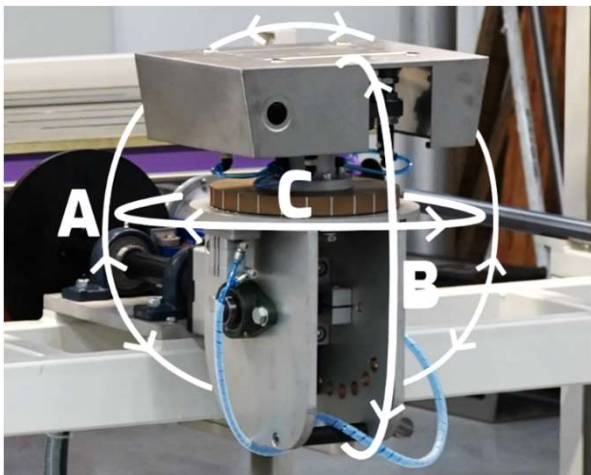
Surface finishing and weld grinding of flat surfaces and corners

LMD2500 2Z Handling Clamping Device



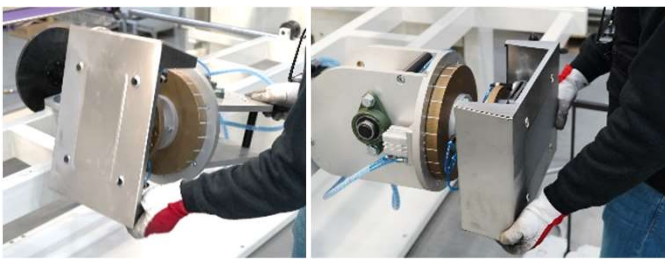
As an option, a handling device is available to allow for greater flexibility in terms of welded structures finishing, allowing you to handle large and heavy workpieces using a 3-D turning by 3-axis system.

This handling device utilizes a four-suction-cup system to hold larger parts and other similar welded structures. The suction cups are adjustable in width and length to adapt the contact area to the dimensions of differently sized workpieces.



Using compressed air to create a vacuum effect, the device can hold the part in several different positions to allow the operator to comfortably finish the external surfaces of a wide variety of workpiece sizes.

Four pedals help operate the LMD's handling device:



- 1st Pedal (A): controls the main axis and rotates the entire device
- 2nd Pedal (B): triggers the angular rotation of the axis on which the suction cup system rests, allowing you to grind the various surfaces of the workpiece
- 3rd Pedal (C): rotates the suction cups themselves
- 4th Pedal: Activates the suction cups' vacuum effect to hold the part during the grinding process



A dedicated rack, located directly below the machine, was designed to allow the operator to put away the handling device to work with the table or vice-versa.