

# LOEWER

## CrossMaster DD

Compact Deburring and Edge Rounding Machine  
for small sheet metal parts



FOR LASER-CUT, PLASMA-CUT AND PUNCHED SHEET METAL  
FOR FOILED, ZINC-PLATED AND 3D PARTS  
FOR STEEL, STAINLESS STEEL, ALUMINIUM

### Through-feed deburring and edge rounding of small parts

The CrossMaster DD is equipped with two disc units, one for deburring and one for edge rounding. The workpieces are placed on a high-friction feed belt. The disc tools are parallel to the workpiece and push the workpiece against the feed belt during operation. As a result, it is possible on a disc-only machine to process even very small workpieces starting from 20 x 20mm.

The CrossMaster DD is available in working widths of 150mm or 300mm.



### Advantages

- Deburring and edge rounding in one pass
- Removal of higher burrs and spatter
- Uniform wearing of tools irrespective of size of workpiece or where it is placed on the feed belt
- Quick change of tools and easy setting when processing steel/stainless steel
- Processes very small parts from 20mm diameter
- Great variety of abrasive tools for different applications
- Low investment and operating costs

### Our tools

Laser job shops have to contend with numerous different finishing tasks. The CrossMaster DD addresses this by offering a large variety of disc tools and abrasives which can be replaced easily and quickly.



The **SoftDisc** with surface conditioning abrasives is ideal for deburring aluminium or steel parts.



Our protected **CompactDisc** with ceramic abrasive removes high burrs and spatter on stainless steel.



The **MediumDisc** is the first choice for edge rounding and is available in different compressions and grit sizes.



The **OrbitalDisc** for creating a non-directional finish with the Löwer Orbital device for which there is a patent pending.



The **SmartFlexDisc** is very open and works well for edge rounding zinc-plated, foiled or 3D-parts.



Aluminium



Steel



Stainless steel



Small parts

### Technical Details

- 2 disc units from top, for disc diameter
- Max. working width (width of feed belt)
- Disc drive, each disc
- Height adjustment by handwheel with digital counter
- Separate height adjustment of each disc to compensate for tool wear
- Variable feed speed using frequency inverter
- Brush strip below feed belt for removing loose dust
- Spring-loaded hold down rollers for longer workpieces
- Dust extraction connection outlet, diameter
- 400V, 50Hz, 3P, CE

### Optional Extras

- Variable rpm of discs using two frequency inverters, each disc can be set separately
- Rotating cleaning brush under feed belt for dust removal
- Motorized height adjustment with push buttons up/down

### Crossmaster DD-150

250mm  
150mm  
0,75kW, 750 UPM  
  
0,3 - 100mm  
  
standard  
1 - 6m/min  
  
standard  
  
3 pieces  
1 x 150mm

### CrossMaster DD-300

400mm  
300mm  
1,5kW, 750 UPM  
  
0,3-100mm  
  
standard  
1 - 6m/min  
  
standard  
  
3 pieces  
1 x 150mm