

SMD 5

→ GRINDING MACHINE IN
DRY EXECUTION FOR THE
PERFECT SURFACE FINISH



LISSMAC
METAL PROCESSING


STEELMASTER

SMD 5

GRINDING MACHINE IN
DRY EXECUTION FOR THE
PERFECT SURFACE FINISH

→

Some key features

- Touch screen terminal
- Solid industrial frame
- High precision operation
- Safety features
- Exchangeable brush cassettes



Take control!

With the PLC and the 10.4 Inch touch screen terminal, taking control of the Steelmaster is a breeze. Every application needs a different setting and setting up a machine takes time. You can save up to 1024 Programs meaning that no new setup is needed when a job is repetitive.

High accuracy 1/10 mm step high adjustment

Material thickness setting in increments of 1/10 mm (0.0039") or 1/100* mm (0.00039"). The maximum part thickness is 160 mm (6.3"). The minimum part thickness is 0.5 mm (0.02").

* This is optional.



10.4" Touch Screen



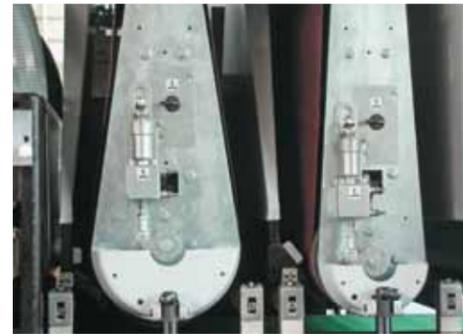
Height adjustment



Easily exchangeable aggregates

In a Steelmaster top brushes and barrel brushes can be exchanged in a matter of minutes.

The system is designed in such a way that both brush types will fit into the same aggregate. This brings great flexibility and allows you to do many different applications in the same machine.



Contact drum with a diameter of 240 mm or 320 mm



Top brushes



Barrel brushes



Slag grinding and rounding edges

Dry operation is more aggressive and is therefore ideal for slag grinding.

The SMD line also has a special Slag grinder model which comes with a larger diameter and softer contact drum on the second station. This compensates for thickness tolerances and warped parts. The slag grinder can be equipped with top brushes or round brushes for more edge rounding.



Deburring



Photo optic tracking eye

Keeping a wide abrasive belt on the right track can be tricky. Steelmaster has solved this problem with a maintenance free photo optic tracking eye which operates a pneumatic cylinder that steers the abrasive belt in the right direction. Another advantage of the optic eye is that it is contact free with the abrasive belt and is wear free.



Photo-optic sensor

Tracking of the conveyor belt

The conveyor belt does not need to be adjusted because the Steelmaster is equipped with an automatic tracking system for the conveyor belt.



Automatic conveyor belt tracking

Conveyor belt cleaning brush
Every dry operating Steelmaster has an integrated cleaning brush for the conveyor belt.



Cleaning brush for conveyor belt



Belt wear compensation

All heads in a Steelmaster have an independent height adjustment. This is a huge advantage when working with different types of abrasive belts for example Fleece / non woven abrasive.

Having height adjustable heads brings great flexibility to a deburring or finishing machine because it allows you to apply more or less pressure to the surface of a part. It also serves as grit compensation.

Even top brush cassettes can be adjusted making the brushes more aggressive on the edges or to compensate for brush wear.

Safety features

Standard safety features of the Steelmaster are:

- 3 emergency switches
- Door switches on all doors
- Finger safety switch
- Over thickness protection



Automatic head lock



Over thickness protection roller

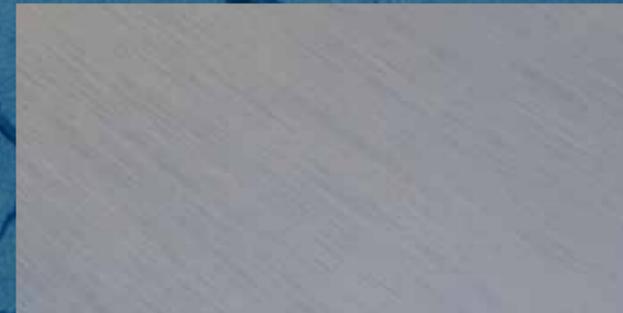
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APPLICATIONS



DEBURRING



SURFACE FINISH





Easy access

The design of the Steelmaster allows you to open up the entire machine so that maintenance is easy and fast.

All the covers of the machine can be removed within a matter of seconds.

All components within the Steelmaster are easily accessible when the covers are removed.

The motors are easy to lift for brush cassette change and doors are easy to open. No special tooling is required.

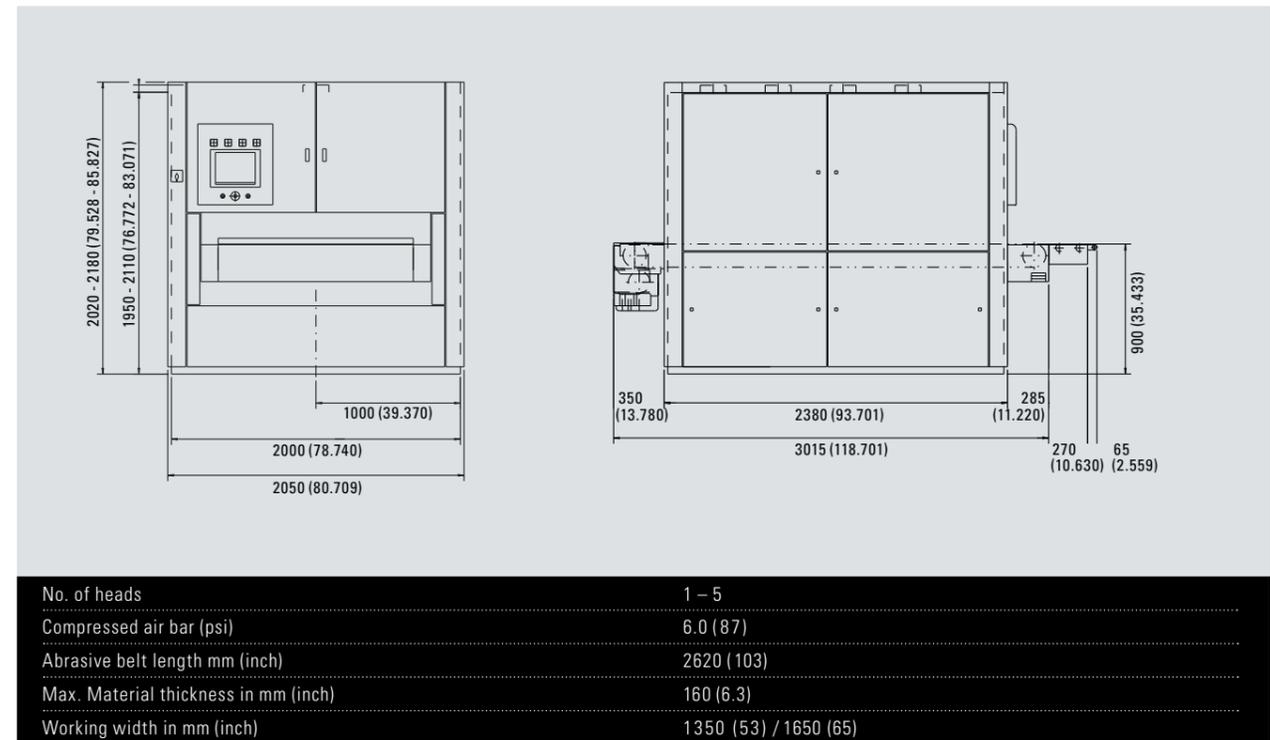
Technical Details SMD



Drive motor side



Easy Displacement of the motors



Technical data subject to change



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