

M-TMD



TROWAL SCHLEPPSCHLEIF-ANLAGEN TROWAL DRAG FINISHING MACHINES

ANWENDUNG

Die im Hause Trowal entwickelte Schleppschleiftechnik ist ein spezielles Verfahren zur Gleitschleifbearbeitung von:

- hochwertigen, empfindlichen Teilen
- konturreichen Teilen mit komplexer Geometrie
- extrem harten, schwer zerspanbaren Materialien

Die Anwendungsmöglichkeiten für das Trowal Schleppschleifen reichen vom aggressiven Schleifen und Kantenverrunden über die Glättung von Oberflächen bis zum Hochglanzpolieren von Sichtteilen

APPLICATIONS

The drag finishing systems developed by Trowal represent a special technology for surface finishing of:

- high-value and delicate components
- parts with many contours and complex geometry
- extremely hard materials which are difficult to machine

The applications for the Trowal drag finishing technology range from aggressive grinding and radiusing all the way to surface smoothing and high gloss polishing of decorative parts

BEARBEITUNGSBEISPIELE

- Implantate
- Turbinenschaufeln
- Präzisionsteile für z.B. Pumpen und Kompressoren
- Teile aus Hartmetall
- Sinterteile usw.

EXAMPLES

- surgical implants
- turbine blades
- precision compressor and pump parts
- parts made from hard metals and materials
- sintered parts, etc.

TROWAL Drag Finishing Machines M-TMD

	M-TMD 4M	M-TMD 6M
Dimensions (L x W x H) - with control panel	1,360 x 1,610 x 2,450 mm	1,680 x 2,010 x 2,620 mm
Machine frame - Robust welding construction - Hydraulic aggregate for UP/DOWN movement of the work unit	x x	x x
Work bowl for wet application - Work bowl lining with sprayed PU - Top of bowl - Depth of bowl - Inner diameter - Vibratory motor for mixing - Lifting station - volume	x app. 840 mm 440 mm 840 mm 1.35 KW x 240 litre	x app. 840 mm 440 mm 1080 mm 1.35 KW x 430 litre
Dosing station for wet application - for water and compound	x	x
Control panel - Eaton Touchscreen 10" for control of all functions - Beacon light as optical alarm	x x	x x
Work carousel - Drive of carousel via gear motor - Power - Infinite RPM adjustment, variable from / to - Sense of rotation: right / left run	x 4 KW 5 – 80 rpm x	x 7.5 KW 5 – 55 rpm x
Work stations - Work stations with drive independent from the carousel - Power - Change of rotational direction, at choice right / left - Infinite RPM adjustment from / to - Supply of work piece specific work piece fixtures - pitch point	4 pc 3 KW x 5 – 80 rpm by customer or at extra price 350 mm	6 pc 3 KW x 5 – 55 rpm by customer or at extra price 670 mm
Protective cabin - Acc. to guideline 2006 / 42 / EG - Front door with manually activated operating window for change of parts fixture - Door and operating window locked electrically	x x x	x x x
Options - Mono spindle with inclined position 0 – 25° in 5° steps - Triple spindle with inclined position 0 – 25° in 5° steps, transmission ratio 1 : 1.7 - Work bowl for dry application	0 0 0	0 0 0

Technical changes reserved

x = standard

0 = additional price