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Turntable Tank production machine - model DT

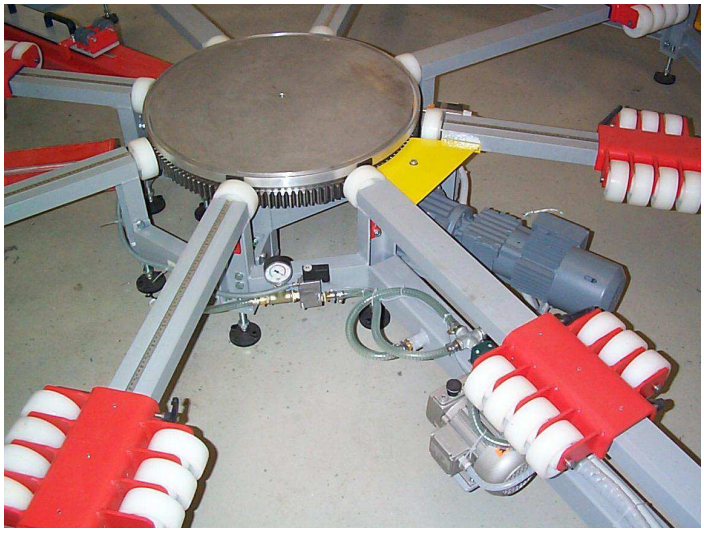
INGENIA 30 DT

Technical data - for the turntable tank production system DT

The machine is designed to support the fabrication of cylindrical products. The table allows you to automatically cut a round sheet e.g. as base plate for a cylindrical tank. Also it allows your welder to realize a tack- weld or extrusion- weld without moving, because the tank is turning.

Structure of the machine:

The main frame is designed as a solid rectangular- hollow- steel profile construction. The turntable is electrically driven. Permanently lubricated ball bearings with solid dimensioning guarantee precision for lifetime.



The clamping unit is realized by vacuum with external vacuum pump. The base plate e.g. of a tank is clamped to an aluminium vacuum plate and is running on rolls mounted to the extension arms

The simple to operate push button controls and the custom designed plc- panel is integrated in a control desk. It is separated from the machine and can be located in max. 4 m distance to the machine

Operation of the machine:

The turning process is executed by a custom designed Klöckner- Moeller plc- processor. All operating elements are located in the control desk and optional in a remote control (by wire).

The speed of the turntable is controlled via potentiometer.

Technical data of standard machine, model xx. DT:

	30 DT	40 DT	50 DT
app. max. dimensions			
diameter:	3100 mm	4100 mm	5100 mm
height:	450 mm	450 mm	450 mm
weight:	0,5 to	0,7 to	1,0 to
range of application			
max. working width:	3100 mm	4100 mm	5100 mm
sheet thickness:	6-30 mm	6-30 mm	6-30 mm
min. diameter of a sheet:	800 mm	800 mm	800 mm
energy supply			
electrical:	incl. transformer to 230/400 V 3/N/PE 50 - 60 Hz		
required electr. performance:	3,5 kW	3,5 kW	3,5 kW
pneumatic pressure:	6 bar	6 bar	6 bar

basic equipment:

turntable with drive, with electronic speed control

basic frame with 8 arms and 16 rolls

external vacuum unit to clamp sheets on machine

separated control panel, with 4 m wire

Paint: red / mouse grey

Extension 1, for welds above table level:

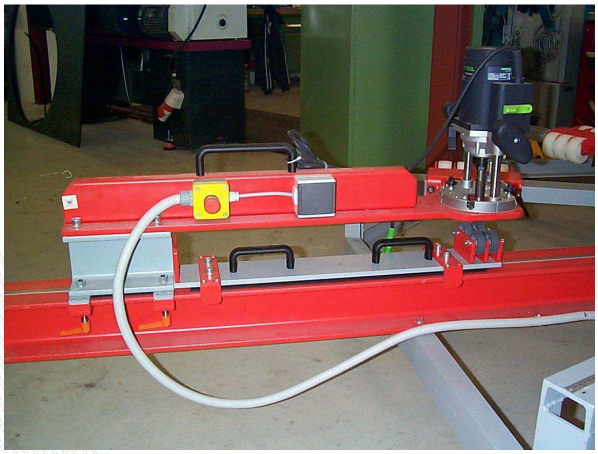
Column with height adjustment for extruder holding device (Option), maximum weldable position in height 3050 mm/ 4050 mm

Vertical Linear- guiding elements for exact guiding of the positioning unit

Weight for easy vertical movement of the positioning unit

Horizontal guiding elements for adjustment according diameter

Paint: red / grey



milling device of a 30 DT

Tool fixation unit of a 40.40 DT

**** Changes in technical details possible ****