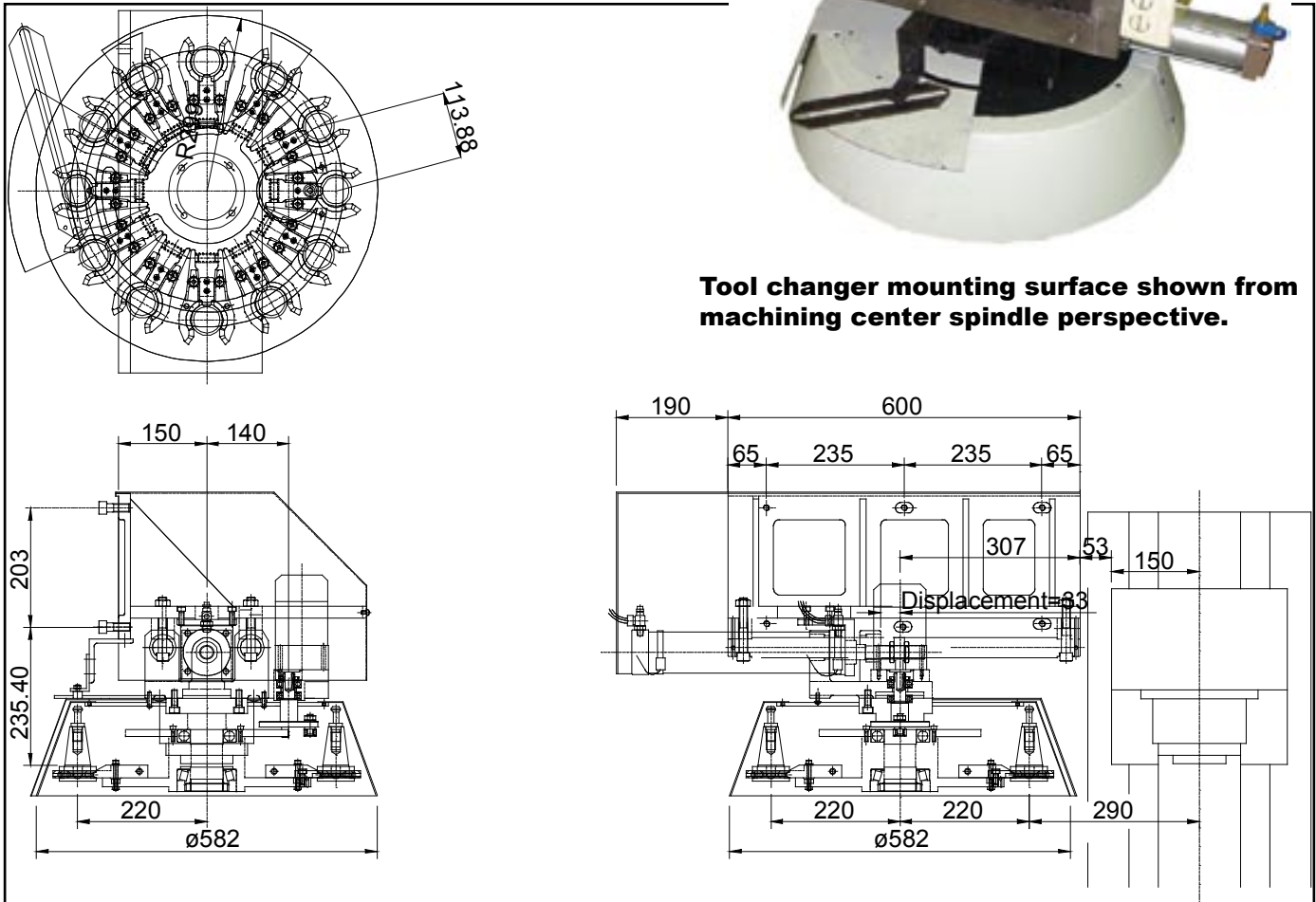


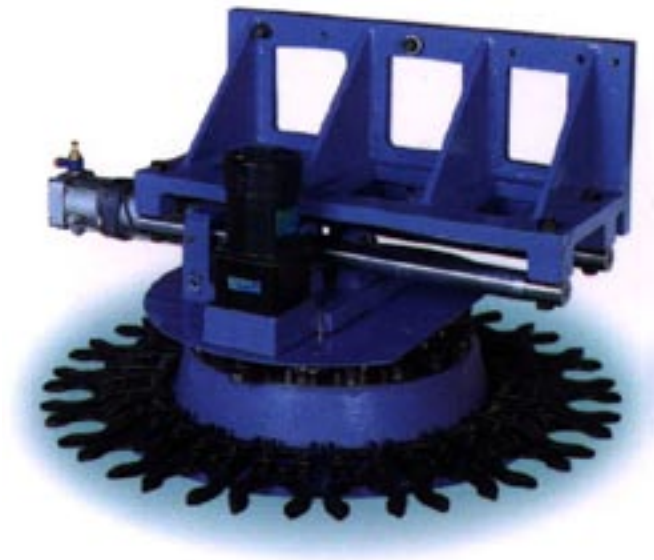
# Tool changers for #40 and HSK-A/E/F 63 tool taper

**A reliable and cost-effective solution**



**Tool changer mounting surface shown from machining center spindle perspective.**





**View showing slide mechanism for tool change. Sheet metal covers are removed.**

## Design Specifications

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Machine spindle orientation	Vertical
Number of tool pockets	12 or 20 tools (both options are available)
Tool taper size	Steep taper #40 or HSK A 63 taper
Drum drive	Electric brake motor (110 or 220 VAC available)
Location sensing	Proximity switches (24 VDC)
Tool position sensing	Proximity switches (24 VDC)
Color	Standard color is off-white RAL 7035
Toolchange time	7 to 9 seconds, depending on tool weight and air pressure
Maximum tool weight	6 kg (13 lbs)
Maximum tool length	200 mm (7.87")
Maximum tool diameter	90 mm (3.54") with all pockets full or 150 mm (6.00") with adjacent pockets empty
Drum diameter	355 mm (centerline of tool)
Cover diameter	598 mm (12-tool design)
Weight of toolchanger	150 kg (330 lbs)

Modifications to most design specifications are available.

## Machine Mounting Specifications

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6 bolts M 16 x 2 thread, spaced 470 mm wide and 203 mm high. Allow for extra room on this surface.

## Operation

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Pneumatic cylinder moves toolchanger to spindle (stroke is 290 mm). Mounting of the toolchanger to be such that the 290 mm stroke moves a tool under the spindle centerline. Rotation of drum with electric brake motor.