

PU1TEC

SCIENCE OF SEALS

PU520

Dichtungen und
Kunststoffe GesmbH





PU520 CNC system to produce seals up to an outside diameter of 520mm consisting of

- 2 - axis CNC basis machine with Siemens control Sinumeric 828 D unit
- Stiff machine bed, easy handling and advanced design
- 8 station disc turret
- High performance suction unit with cutter
- 3 jaws manual chuck d=250mm
- Set of clamping jaws up to 520mm
- Set of cutting tools, including spare inserts and tool cabinet, tool holder and VDI holder
- Hand tools and lubricants for maintenance
- Concentrated cooling agent
- Notebook with special software for seal production
- System software with 3-D view, statistics, simulation
- Manual with detailed information regarding the machine and system
- Closed cooling water system - cooling water comes automatically back from suction unit to the machine
- **Machine and all parts are of Austrian origin**
- **1 year warranty**

PU520

with shredder
with suction unit

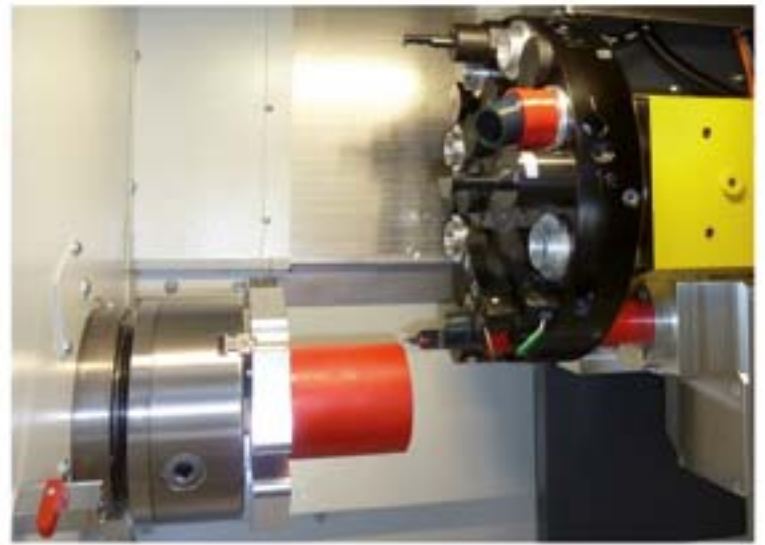
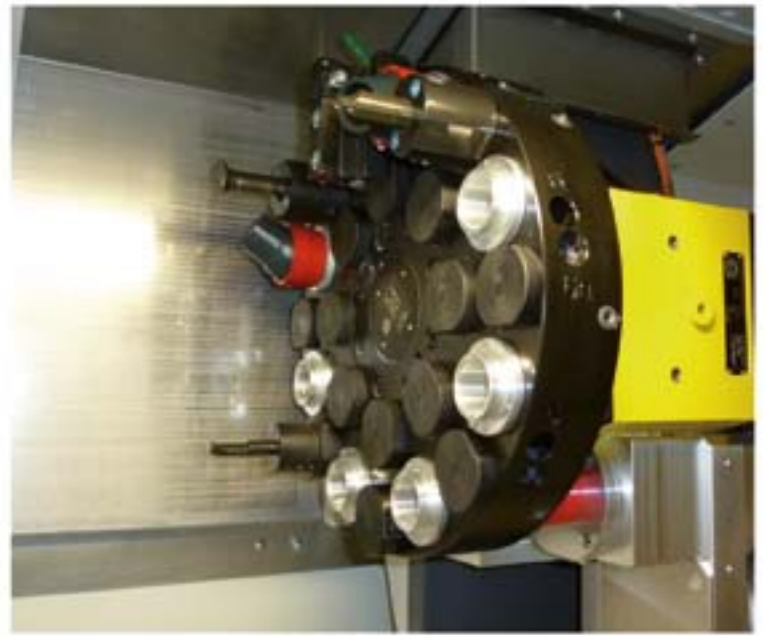
on request

Technical data PU 520

Arbeitsbereich	Workarea	
Umlaufdurchmesser über Bett	swing over bed	515 mm
Max. Durchmesser	max. turning diameter	515 mm
Max. Teillelänge	max. work length	180 mm
Max. Stangendurchmesser	max. bar diameter	50 mm
Verfahrensbereich	Travel	
Verfahrweg X	slidetraverse X	210 mm
Verfahrweg Z	slidetraverse Z	310 mm
Spindel	Spindle	
Drehzahlbereich	speedrange (r.p.m.)	0-6000
Drehmoment a. d. Spindel	Max. torque	86 NM
Hauptmotor	Main Drive	
Antriebsleistung	power	13 KW
Werkzeugwender	Tool Turret	
Anzahl der Werkzeugpositionen	number of toolstations	8
Aufnahmeschaft VDI	Shank VDI (DIN69880)	VDI 20
Revolverschaltzeit	cycle time	0,2sec.
Vorschubantrieb	Feed Drives	
Eilganggeschwindigkeit X-Z	rapidtraverse rate X-Z	20/24m/min.
Beschleunigungszeit	Acceleration time	0,2sec.
Leistungsaufnahme	Power Input	
Anschlusswert	electricity	17 kVA
Abmessungen	Dimensions	
Höhe der Maschine	height of machine	1940 mm
Aufstellfläche (BxT)	footprint (WxD)	2250 x 1980 mm
Gesamtgewicht	weight	3200 kg
Späneabsaugung	Suction Unit	
Fassungsvermögen	contents	250 L
Antriebsleistung	power	4,2 KW
Dimension H x B x T (mm)	dimension H x W x D (mm)	1900 x 900 x 900 mm
Steuerung	Control	Siemens Sinumeric 828D







PU1TEC

The enterprise:

- 2015 Introduction of PU620 with bar loader
- 2012 PU1TEC's second CNC turning lathe, PU520
- 2010 a new production plant
- 2009 PU1TEC's first CNC turning lathe - called PU250 was born
- 2008 starting of the project "friction molding" for clamping rings - finished in 2009
- 2006 new production plant in Sittersdorf with 1000m²
- 2005 start of the seals production
- 2002 start of the rubber production
- 2001 foundation of PU1TEC

The production:

Seal production from 3mm to 620mm outside diameter by our own CNC turning lathes with short delivery times

HPU-casted for large diameter and HPU- injection molded for smaller diameter

The products:

Complete range of semi-finished materials for seals production: HPU, PU, SL-PU, HPU 55D, NBR, FPM (VITON*), EPDM, MVQ (silicon), POM, PA6G, PTFE and also SJ tools and spare parts for CNC7SJ machines

Seals for hydraulic and pneumatic from 3 to 2000mm outside diameter produced by our own seals production department

- PU1TEC CNC turning lathe PU250
- PU1TEC CNC turning lathe PU520
- PU1TEC CNC turning lathe PU620

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