

MULTISPINDLES series SCY
with six spindles

36 HT 45 HT 56 HT

Capacity

Max bar diameter	mm	Ø 36 (40)	Ø 45 (48)	Ø 56
Spindles drum rotational diameter	mm	300	340	340
Standard bar feed stroke	mm	125	140	140
Max nr. of controlled axis	#	38	38	38

Front slides (Y1 - Y6)

Number of controlled axis	#	6 (+9*)	6 (+9*)	6 (+9*)
Front slides stroke : 1 ~ 5	mm	170 (220)	170 (220)	170 (220)
Front slide stroke : Z6	mm	270	270	270
Rapid feedrate	mm/min	24.000	24.000	24.000
Feed force	N	5.900	7.000	7.000
Max nr. of compound (2 axis) front slides (Recessing unit)	#	4	4	4

Long slides feed units (Z1 - Z6)

Unit stroke	mm	170	170	170
Rapid feedrate	mm/min	24.000	24.000	24.000
Feed force	N	4.900	5.900	5.900
Max nr. of feed units	#	9	9	9

Cross slides

Stroke of slides X1 ~ X6	mm	100	100	100
Stroke of slides X7 (X8)	mm	155	155	155
Rapid feedrate	mm/min	24.000	24.000	24.000
Feed force	N	4.900	6.500	6.500
Max nr. of cross slides	#	6 (+2)	6 (+2)	6 (+2)
Max nr. of compound (2 axis) cross slides (Contour slides)	#	5	5	5

Mainspindles

Speed range	rpm/min	400 - 4.000	350 - 3.000	300 - 2.500
Motor power	kW	28 / 35	28 / 35	28 / 35
Separate speed, indexing, C axis functions *	#	(position 3 ~ 6)	(position 3 ~ 6)	(position 3 ~ 6)
Separate speed motor power	kW	4,9 / 9,4	5,7 / 12,7	5,7 / 12,7

CNC subspindle

Speed range (with separate motor)	rpm/min	0 - 4.000	0 - 3.000	0 - 3.000
Indexing function, C axis	#	yes	yes	yes

Installation data

Occupied surface (excluding electric cabinet and hydraulic unit)	mm	3.300 x 1.600	4.000 x 2.000	4.000 x 2.000
Machine height	mm	2.270	2.270	2.270
Machine weight with equipment	Kg	8.800 ca	10.500 ca	11.500 ca

*Option -Technical data can change without notice

UTIMAC Torino srl
Via Cristoforo Colombo 4 - 10070 Robassomero (TO)
Tel. (+39-011) 924-1451 - Fax (+39-011) 924-1192
<http://www.utimac.com> - info@utimac.com

Representative :

www.utimac.com

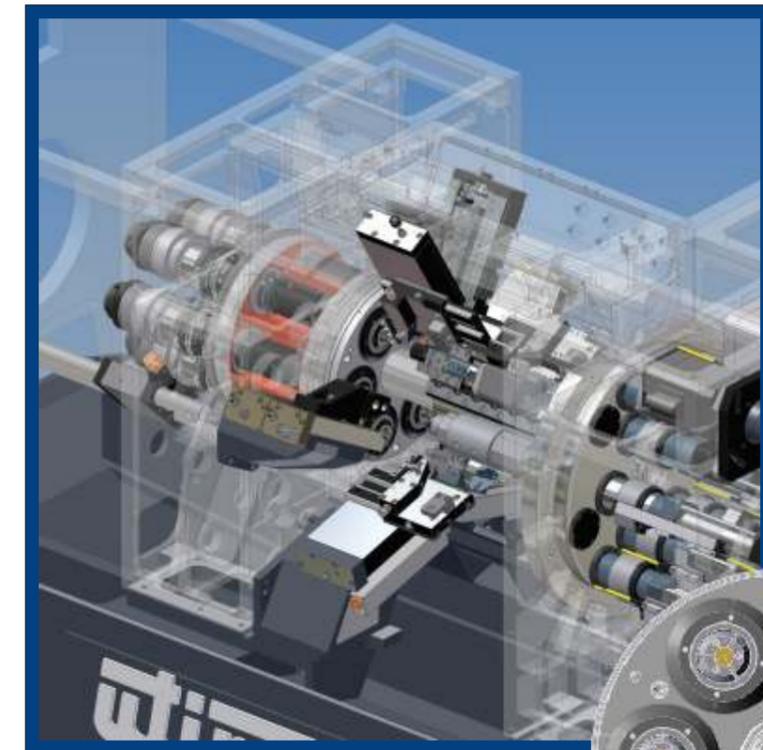
PASSION AND INNOVATION

utimac
multimandrini
CNC



CNC MULTISPINDLES

SCY 36-45-56 HT
with six spindles



SCY 36 HT
SCY 45 HT
SCY 56 HT

Economical
Reliable
Efficient

CNC Multispindle = more productivity

Since 30 years from its establishment and 10 years from the manufacturing of its first CNC MULTISPINDLE, UTIMAC, leader in the field, expands its product line.

The new series of CNC MULTISPINDLES SCY 36/45/56 HT completes the range of available CNC six spindles machines.

Years of continuous research and experience allowed the realization of this new product line.

Modular construction, using only European components, provides the better result and flexibility, thus to satisfy the customer's need at the best.

As matter of fact price, reliability, rigidity, power, reduced maintenance costs, ease of use and quick part preparation are the main quality that you can find in the UTIMAC CNC MULTISPINDLES.

Advanced Technology Machines, ready to deal with mid / big range production lots of turned parts that require quality and competitiveness at the same time.

At UTIMAC we hardly believe in the quality of our products and services, as all our valued customers that already decided to choose them.

Give us a try!



CNC Siemens 840 D

There are no more traditional or virtual cams, but only freedom at 360°

With the simplified ISO programming each machining position is programmed like a simple 2 axis machine

The cycle times are similar to those of a cam machine, but with much greater possibilities and performances.

Tool offset compensation for all the positions and spindles

Teleservice

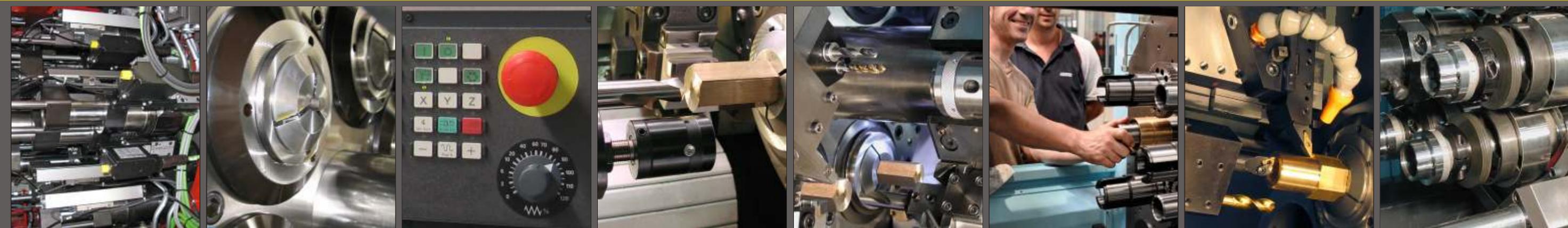
Full alarm display with history

Ethernet connection available

Ergonomic and movable operating console

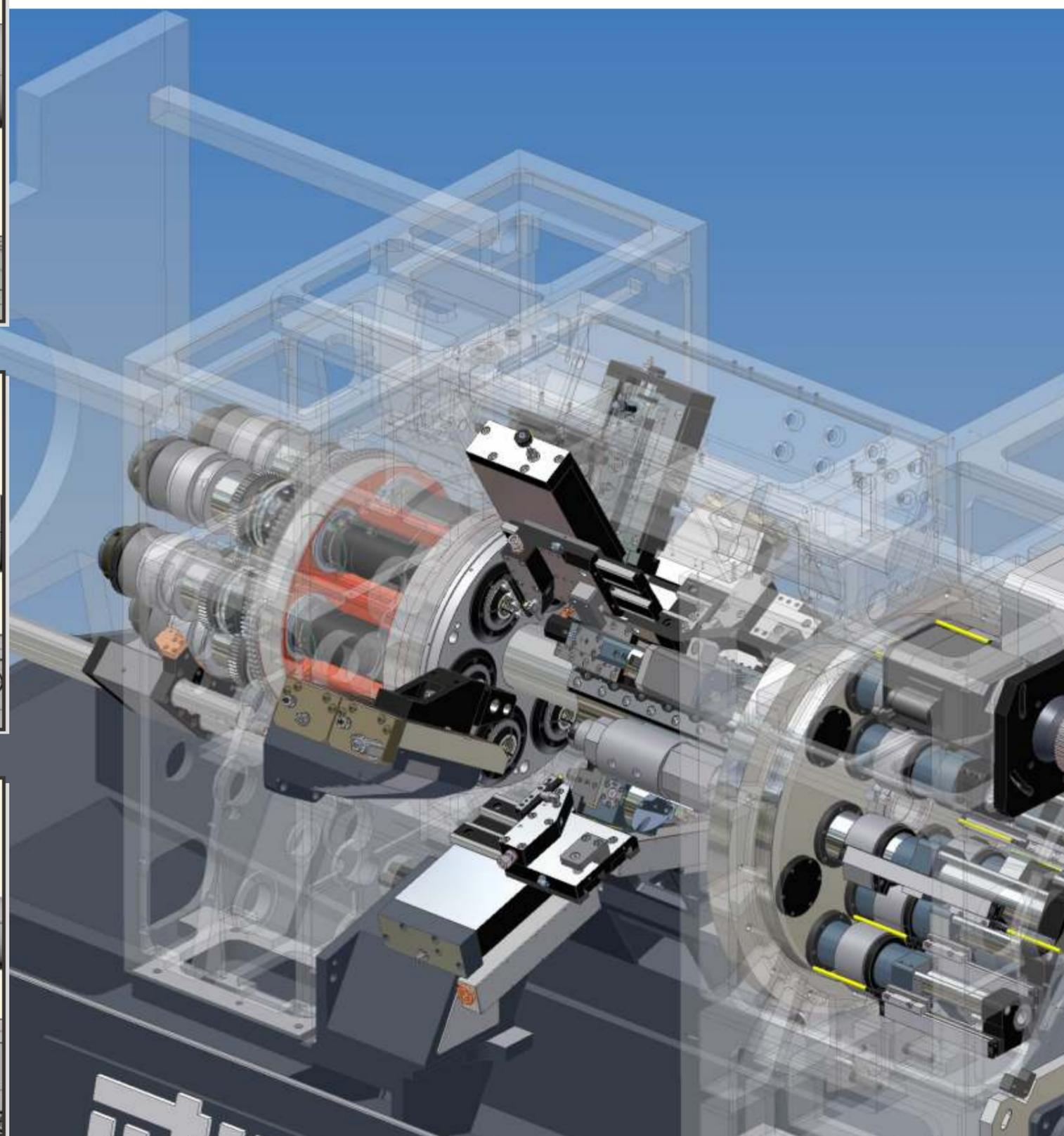
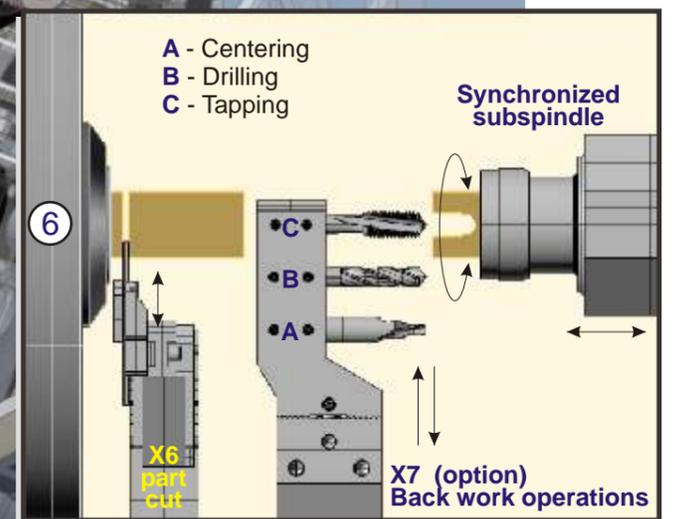
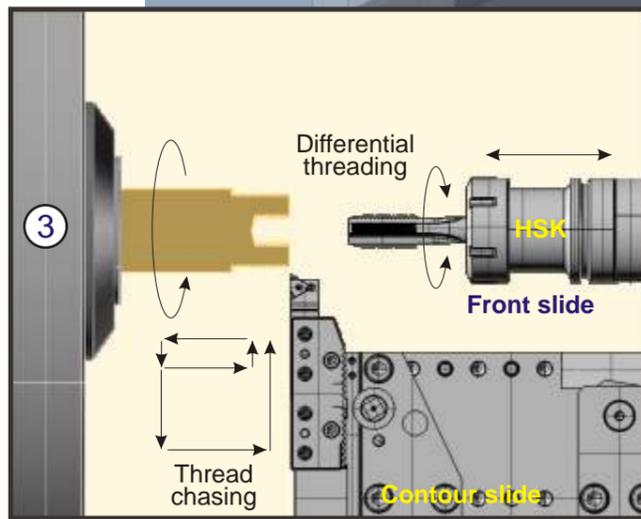
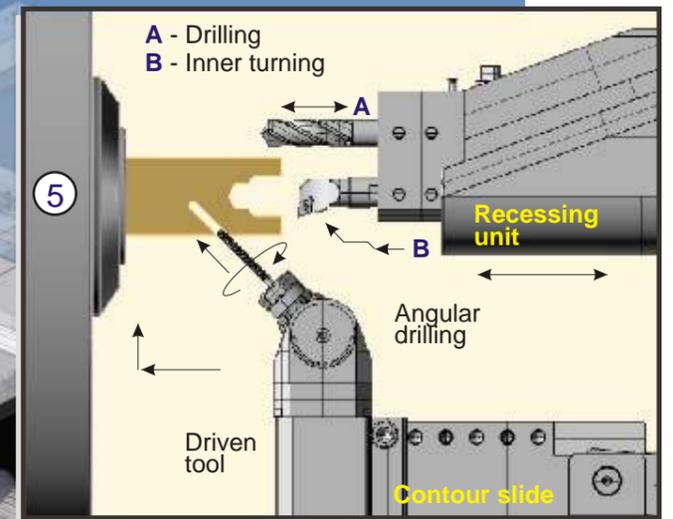
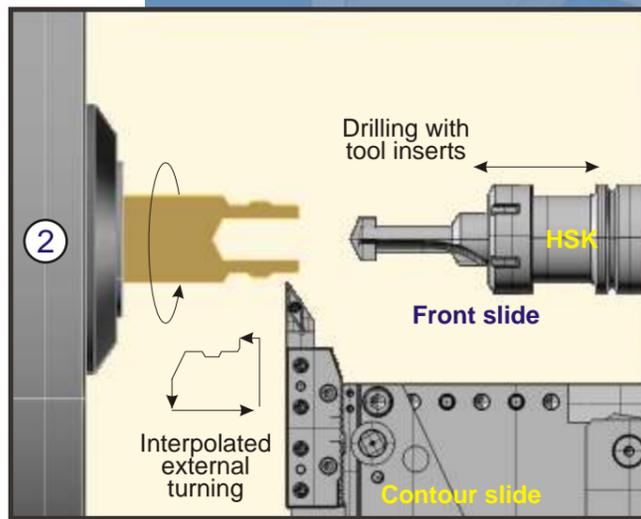
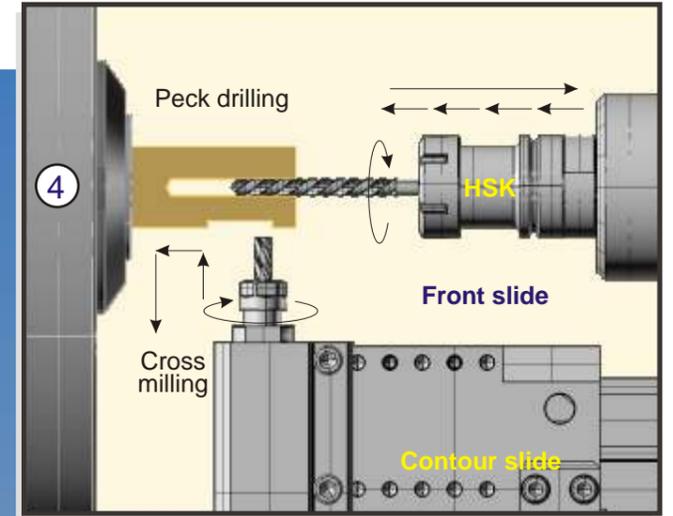
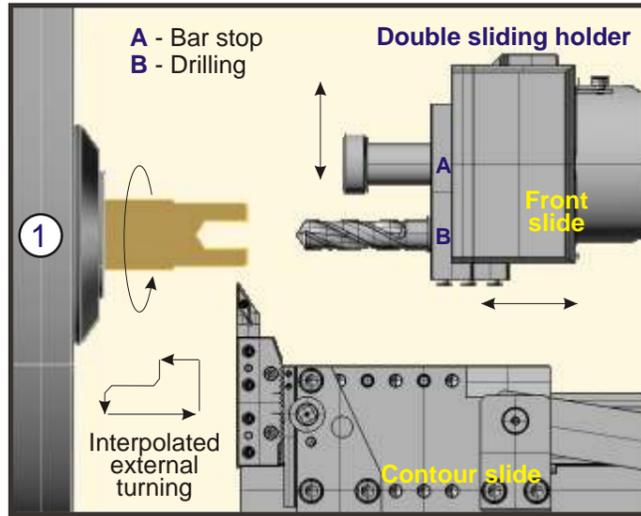
Up to 38 NC axis installed

- + Powerful
- + High Performance
- + Easy to use

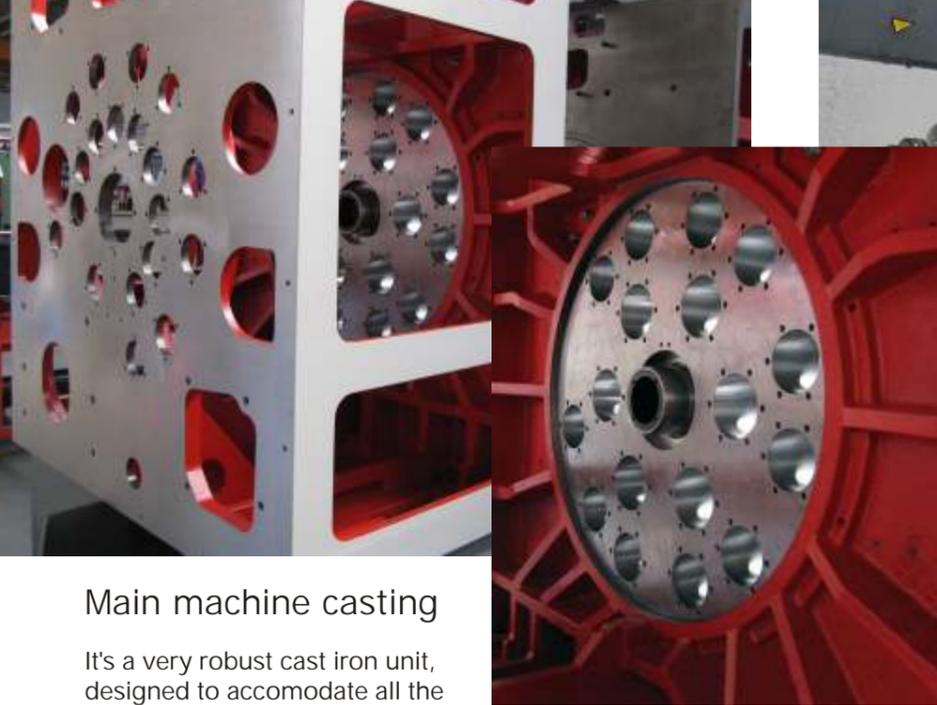


SCY 36 HT
 SCY 45 HT
 SCY 56 HT

UTIMAC CNC MULTISPINDLE essential and economic tool



utimac



Main machine casting

It's a very robust cast iron unit, designed to accommodate all the feed units to drive the front slides and the long slides used to move the Z axis of the compound units (options).

On this element are also installed the motors that are needed to drive the subspindle and other driven attachments such as threading units, high speed spindles, poligoning device, etc.

Compound cross slides and options

The compound cross slides are of simple construction, extremely robust and reliable.

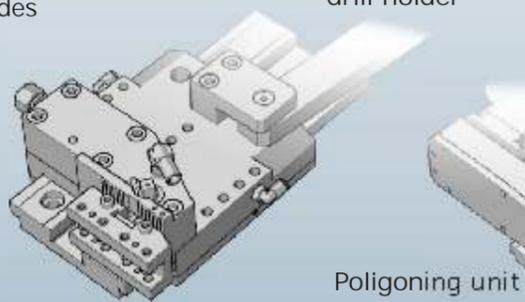
They are used to execute external and internal contouring, thread chasing cycles as well as linear and circular interpolation, by using standard tools, with changeable tips.

Main functions:

by installing additional attachments or by using specially designed compound slides

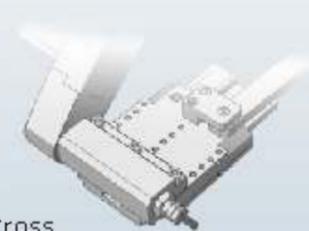
the following functions can be performed :

- Cross and front milling
- Cross drilling
- Poligoning, Angular drilling
- Off-center drilling / milling

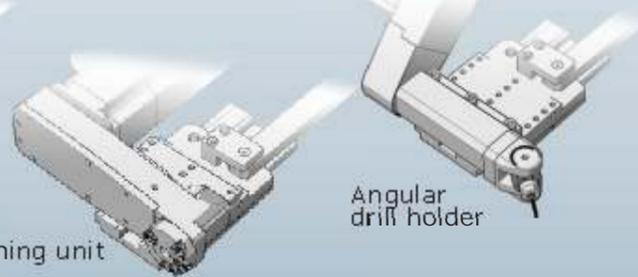


Cross drill holder

Poligoning unit



Axial drill holder



Angular drill holder



Separate speed units

By installing a specific type of spindles in the drum is possible the application of separate speed units capable to drive each spindle in a specific position with a free programmable speed.

Additionally the indexing and C's axis function are available with these units.

Up to 4 units can be installed in the machine, with the possibility to move the unit within the available positions in the spindles casting.



Additional Cross Slide (X7)

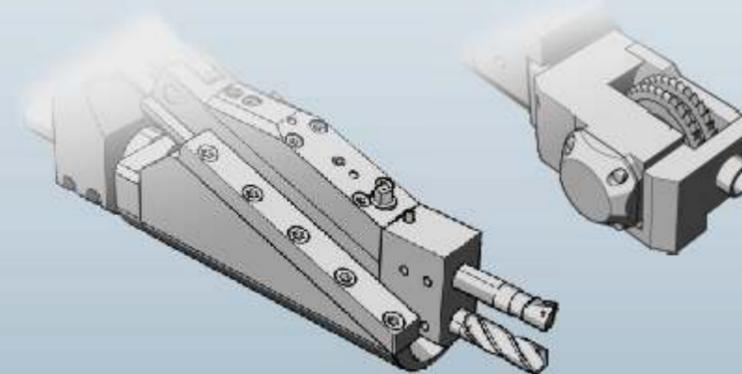
This additional slide is used in conjunction with the synchronized subspindle to allow the back side machining of the parts.

On the slide is possible to install up to three fixed tools, as well as rotary spindles to perform machining on the stationary part.

Compound front slides (Recessing units)

Extremely robust and precise they move along an angle of 20°.

Thanks to the double tool holder is possible to produce inner contouring, thread chasing, boring, etc., by using standard tools.



Synchronized subspindle

It is a spindle driven by a separate motor with free programmable speed. It can be synchronized in speed and position with the main spindle and can stop for part ejection.

It can be interpolated with the additional X7 cross slide in order to allow the full part back side machining by turning and threading, as well as cross milling using its indexing / C's axis functions.

Double sliding holder in Pos. 1

The installation of this device allows the bar feeding in Pos 1 as well as centering / drilling in the same station, thus providing more machining time available for the back working operation.

