

PTP CNC

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Toolings Pvt. Ltd.

CNC TOOLING SYSTEMS & SOLUTIONS



Precision Tool Holders



MANUFACTURING ASSETS



CNC Turning Centers, Midas-8i & Midas 6

The High Powered Rigid Turning Center For Large Tool Holders, Gives us a big Advantage in Accelerating the big size tool holders, Extra Long Adapters, Special Boring Bars etc.

CNC 9 Axis Turn Mill Centre TT1800SY

The Pint Sized Giant with special High RPM spindle for Small & precision parts like Pull Studs & adapters. This is our 24 Hour Production Machine.



Machining Center, 4-Axis, MCV-400

The Special 4-Axes Machining Centre, specially designed for Tool Holders and Special Boring Bars.

Cylindrical Grinding

CNC Cylindrical Grinding Machines, Qualified for Internal & External Grinding for grinding work pieces in high production volumes. Geometric Accuracy and 0.002 mm precision and Equipped for AT3 Taper and N5 Surface Roughness as desired by standards.

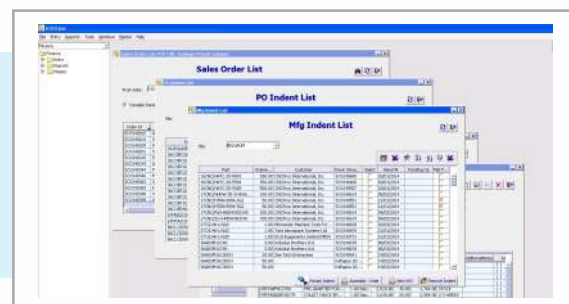


Thread Rolling

The most Rigid Thread Rolling Machine for Aircraft Quality Threads and Thread Concentricity.

Enterprise Resource Planning-ERP

Perhaps the Only Manufacturer in SSI with Full Fledged implementation of ERP, Causing High Performance Manufacturing and Customer Support.



MANUFACTURING ASSETS

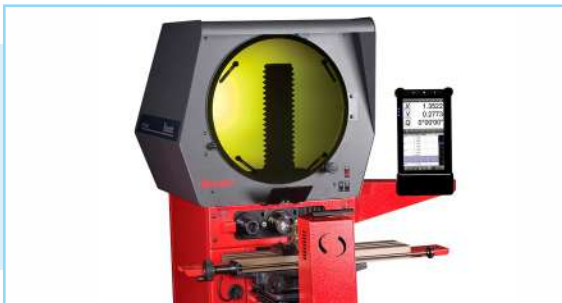


Dynamic Balancing

Special German Make Tool Holder Balancer with Acceptability in Aerospace Industry. For Single and Multi Plane Balancing of BT, CAT, SK and HSK Holders. Balancing Grade possible upto G1 @ 50000 RPM.

Laser Marking

Every PTPCNC Product is Laser marked for Traceability with Batch and Serial No.



Profile Inspection

Profile Projector with Magnification upto 20X and 1' Least Count for inspecting every Angle, Radius and Profile.

Magnetic Particle Testing

Ensures perfect physical properties.



Air-Electronic Gauging

For Accurate measurement of precision Bores and Diameters. Taper Angles measured within 0.0005 mm Angle Tolerance and Roundness.

Black Oxidation
PTP CNC Adapters are Blackodized to with stand 100 Hrs. Salt Spray Test. Provides high resistance to Corrossion.



CLAMPRITE GAGE

(The Spindle was never Safe B4)

NOW AVAILABLE IN DUAL UNIT

0-1400 Kgf- BT30, BT40

0-2400 Kgf- BT40, BT50, HSK 40,50

0-4500 Kgf- BT50, HSK63

0-7000 Kgf- HSK 100



AVAILABLE FOR ALL SHANKS



BT30, SK30

BT40, SK40, CT40

BT50, SK45

BT50, SK50, CT50



HSK 40

HSK 50

HSK 63

HSK 100



CHECK THE SPINDLE IN JUST 3 MINUTES CHECK EVERY 40 HOURS AND SAVE A LIFE, SPINDLE DAMAGE AND PRODUCTION LOSS,

Clamping force check Says the Rohm Website

According to Standard EN 1550 s. 6.2 No. d), static instruments for measuring the clamping force must be used at regular intervals to check whether servicing is required in accordance with the maintenance instructions. Following this, after approx. 40 operating hours a clamping force check must be carried out regardless of the clamping frequency.

CLAMPRITE CUSTOMER

- ACE MFG SYSTEMS
- BHARAT FRITZ WERNER
- PHILLIPS MACHINE TOOL
- JYOTI CNC AUTOMATION
- MAKINO
- MACPOWER CNC
- DOOSAN MACHINE TOOLS
- MICROMATIC MACHINE TOOLS
- ELECTRONICA HITECH MACHINE TOOLS
- LAKSHMI MACHINE WORKS
- SETCO SPINDLES INDIA
- BAJAJ AUTO
- ENDURANCE TECHNOLOGIES
- HYUNDAI MOTORS LIMITED
- HERO MOTOCORP
- TARA AEROSPACE LIMITED
- ABI SOORAI GREEN
- DELPHI-TVS DIESEL SYSTEMS
- GILBARCO VEEDER ROOT
- HONDA SCOOTER & MOTORCYCLE
- NEWTECH AUTO COMPONENTS
- PRAGATI AUTOMATION
- RICO AUTO
- SAJJAN PRECISION CASTINGS
- SAKTHI AUTO COMPONENTS
- SUNDARAM CLAYTON LIMITED
- TITAN INDUSTRIES
- SHRIRAM FOUNDRY

ER COLLET CHUCKS



AT3
G2.5
@ 25000 RPM



BALANCED



TIR 0.005 mm Max



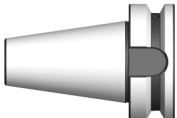
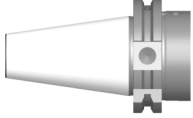











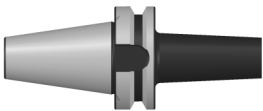

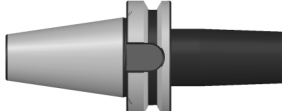
STANDARD & LONG

TOOL HOLDERS

AT3
TIR-0.005mm MAX



Each Holder Quality Certified

 BT SHANK	 SK SHANK	 HSK SHANK	 DIN2080 SHANK
 BT COLLET CHUCK	 BT40 SIDE LOCK	 HSK ER COLLET CHUCK	 DIN 2080 COLLET CHUCK
 BT MORSE TAPER	 BT40 FMC	 HSK SHRINK FIT	 DIN 2080 CSMA
 BT BORING BAR BLANKS	 BT40 TMA	 BT40 HYDROGRIP	 BT40 SHRINK FIT

THE ONLY UNBREAKABLE - PULL STUDS

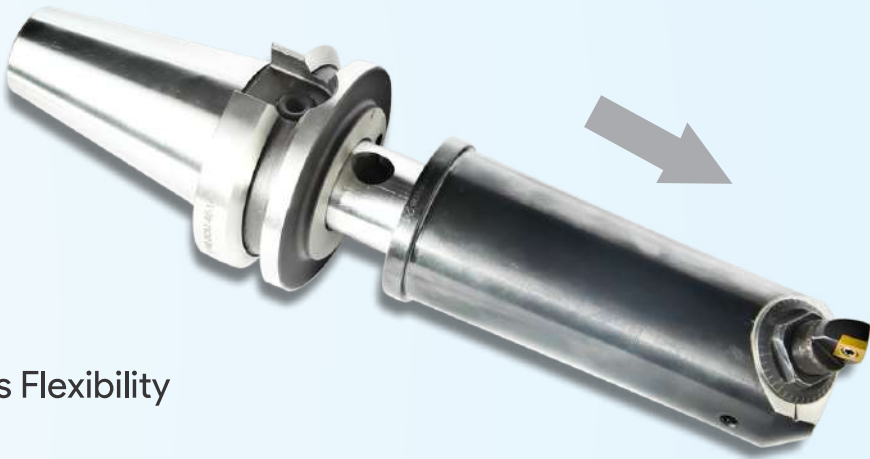
- Designed & Manufactured to Prevent Breakage.
- The Only PROOF-TESTED Pull Studs.
- Every batch sample tested for desired strength (1400 - 1800 N/mm²)
- Every Angle Made with Precision.
- Every Corner blended to guard against Stress Failure.
- Made to All National & International Standards.
- Each Pull stud at force of at least 2 times the clamping force on the machine.
- Rolled Threads.
- Magnetic Particle testing done on each pull stud to ensure physical soundness.



MADE IN INDIA
USED GLOBALLY

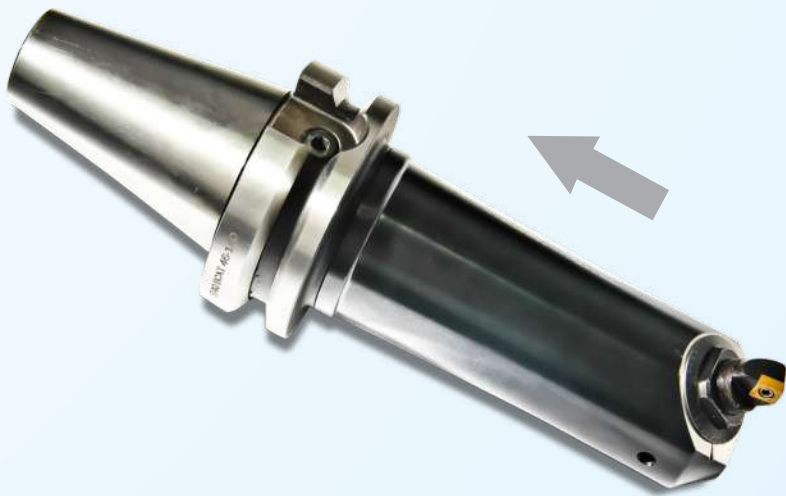
MODULAR MICRO BORING SYSTEM

MODULAR

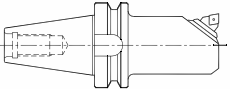
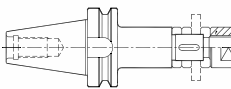
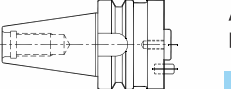
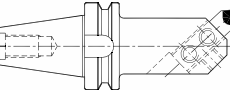
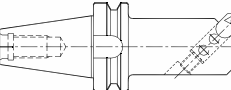
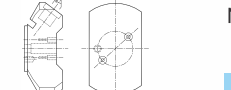
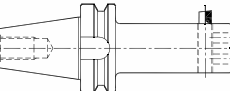
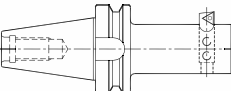
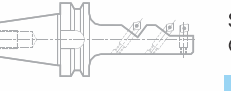


- Modular Boring System Enables Flexibility
- Rigidity Guaranteed
- Enables Accelerated Delivery
- Economy is the key

ASSEMBLY



G 6.3 @ 8000 RPM
on demand

	Micro Boring Bars		Milling Cutter Adapters For Side & Face Mill Cutter		Adapters For Boring Ring
BCA		SCA		ADE	
	Rough Boring Bars Square Tool		Rough Boring Bars Round Tool		Micro Boring Ring
BSA		BOAC		MBR	
	Rough Boring Bars Square Tool		Rough Boring Bars Round Tool		SPECIAL Boring Bars COMBINATION
BSB		BOSC			

MICROBORE CARTRIDGE

HARD PARTS

CLR Threads

Backlash Eliminator



Brazed & Indexable Insert

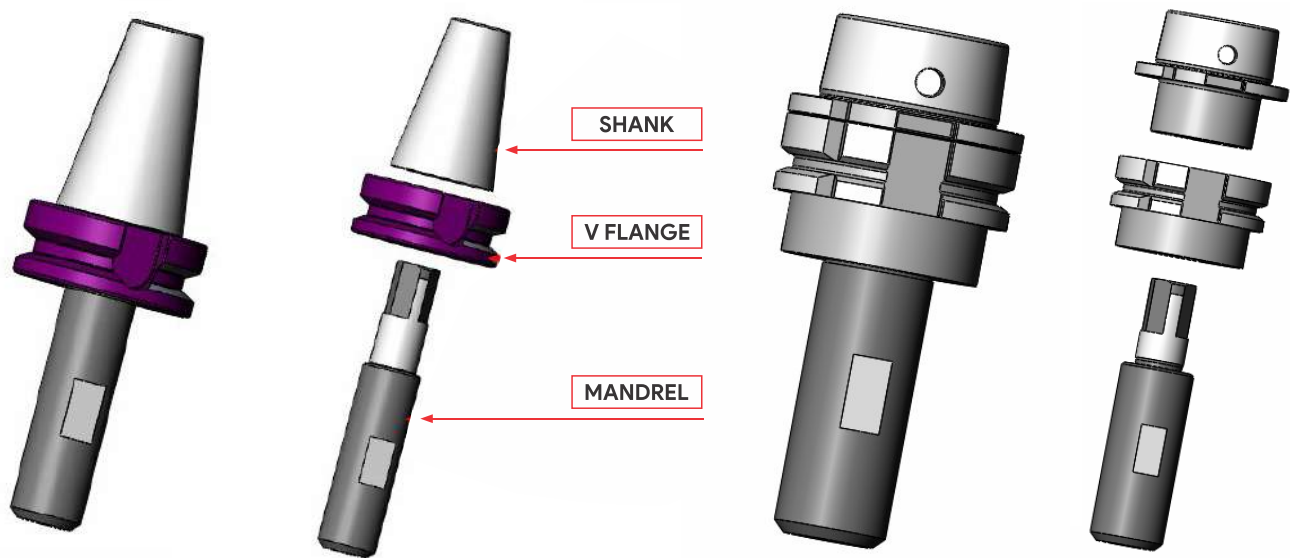
(Size 1 thru 10)

(Size 2 thru 10)



Microbore cartridges and units are available as standard items in Sizes 1 through 10.

ATC ALIGNMENT GAGE
by PTPCNC



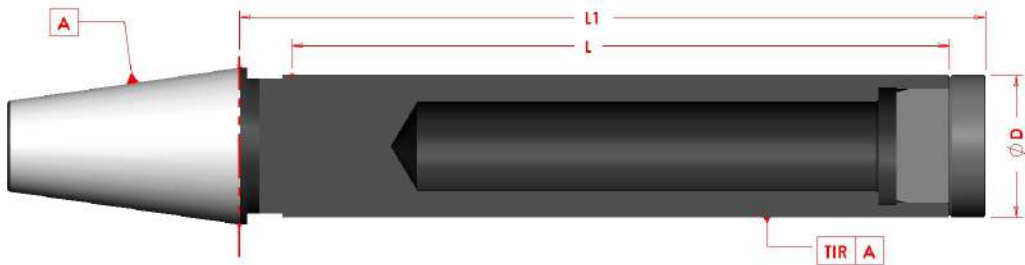
ORDERING CODE	SPINDLE SHANK
47BT30TAG	BT30
47BT40TAG	BT40
47BT50TAG	BT50
47ISO30TAG	SK30
47ISO40TAG	SK40
47ISO50TAG	SK50

ORDERING CODE	SPINDLE SHANK
47HA 32TAG	HSK A 32
47HA 40TAG	HSK A 40
47HA 50TAG	HSK A 50
47HA 63TAG	HSK A 63
47HA 80TAG	HSK A 80
47HA 100TAG	HSK A 100

- The Three Piece Alignment Gauge (TAG) is an unavoidable tool for accurate Alignment of the Tool Changer Arm in Relation To the spindle
- Used in Preventative Maintenance & RE-alignment to Prevent Accidents, un-necessary down time due to worn out or broken Cam Followers.
- Prevent Excessive wear on spindle Taper and ATC gearbox
- Available for all Spindle Taper Shanks including : BT, CAT, DIN, HSK etc.

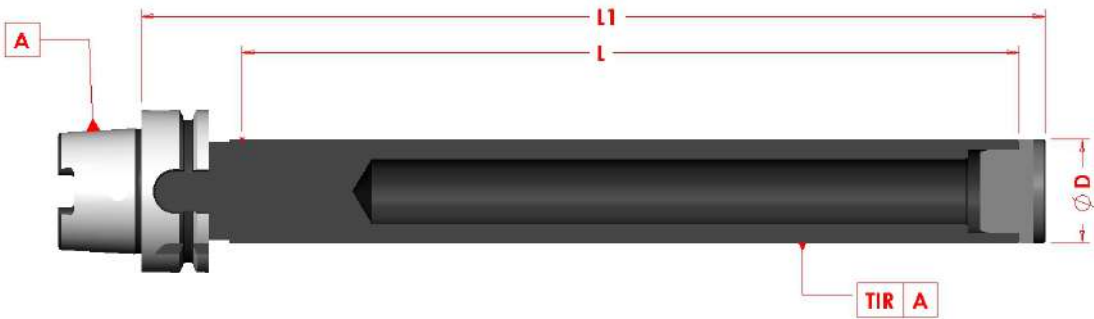
How to Use the TAG : Watch <https://www.youtube.com/watch?v=yYrFnXiwwMU>
(By Lyndex-Nikken)

SPINDLE TEST MANDRELS
by PTPCNC



A	ORDERING CODE	D	L	L1	TIR
30	SK30 TM32 150	32	150	172	0.002
40	SK40 TM40 150	40	300	323	0.003
	SK40 TM40 300		200	223	
45	SK45 TM40 200		300	322	
50	SK45 TM40 300	63	300	373	
	SK50 TM63 300		300	523	

A	ORDERING CODE	D	L	L1	TIR
30	BT30 TM32 150	32	150	172	0.002
40	BT40 TM40 150	40	300	323	0.003
	BT40 TM40 300		200	223	
45	BT45 TM40 200		300	322	
50	BT45 TM40 300	63	350	373	
	BT50 TM63 350		500	523	



A	ORDERING CODE	D	L	L1	TIR
40	HSK A40 TM32 200	32	200	240	0.003
50	HSK A50 TM40 200	40	200	240	
63	HSK A63 TM40 300	40	300	350	
80	HSK A80 TM 40 300	40	300	350	
100	HSK A100 TM 40 300	63	300	350	

PRECAUTION IN USE

- 1) The Taper shank of the Mandrels shall be well bedded in the machine spindle.
- 2) To test for out of true running, the mandrel shall be successively inserted in the spindle in four positions, each at 90° to the others and the mean of four results taken.
- 3) After inserting a Mandrel in spindle, time shall be allowed to elapse and to allow the temperature to become stable.
- 4) The dial gauge shall preferably be applied to the under side of the Mandrel to oppose its natural sag.

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Toolings Pvt. Ltd.

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