



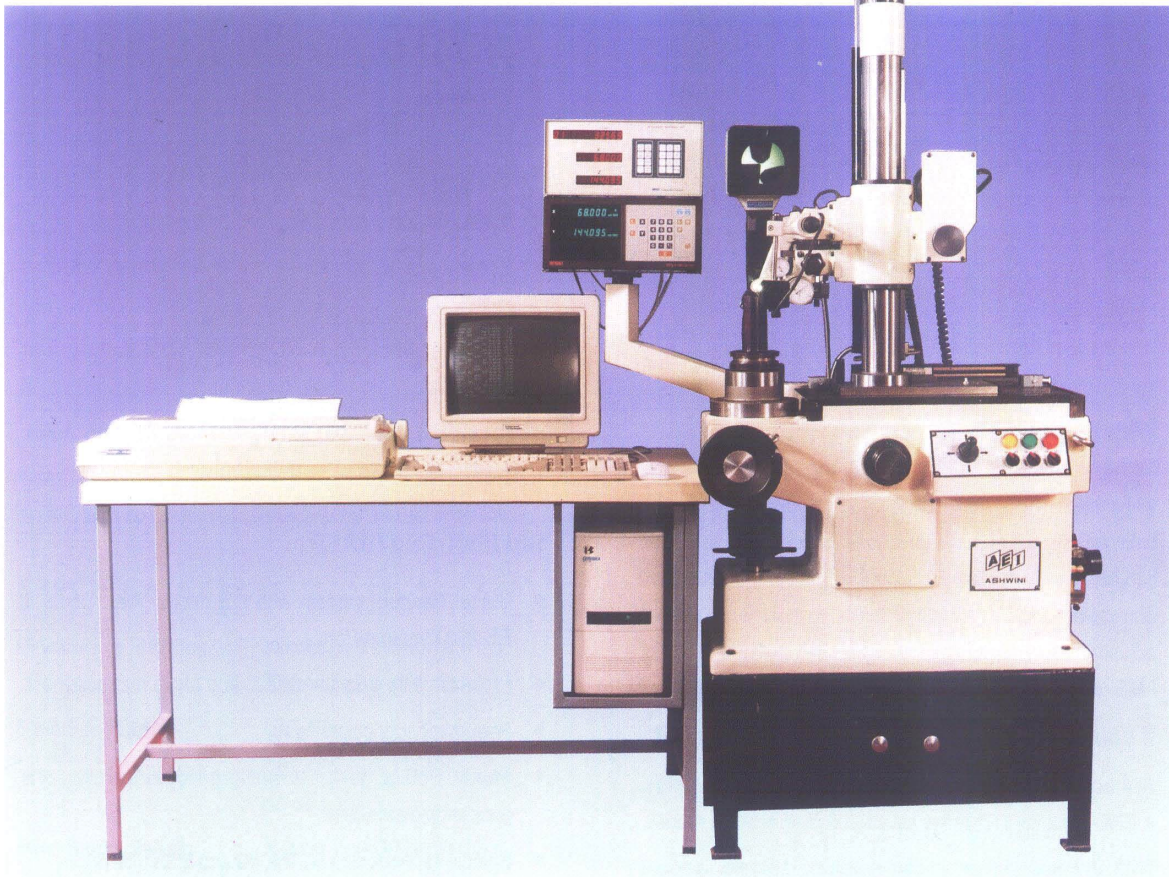
Make : ASHWINI

Type : Tool Presetting Device

Model : TS-A7

# TS SERIES

**ASHWINI TOOL PRESETTER**



In collaboration with KYORITSU SEIKI CORPORATION, JAPAN



ashwini engineering industries

## Ideal Tool Setting to Meet Today's Demands

As technology races on, demands for accuracy and operability in machine tools have become more stringent. Numerical control (NC) machines and ATCs have brought about a revolution in machining processes and tool-setting methods. Ashwini Precision Machinery, the pioneer of presetters, is leader in that revolution. Our TS series of tool presetters is the outcome of dedicated research and development and features the high accuracy and efficiency required in today's machining world. The TS series offers improved productivity and flexibility to meet diverse customer needs. We offer a variety of models to precisely match your working requirements and conditions.

### Why Presetters?

Idling your machine to adjust tool bit dimensions while machining a work can rob you of valuable production time. Adjustment of radial directions for boring, in particular, can be a costly maneuver. Even if your machine does have corrective function for longitudinal directions, a shorter adjustment time is always welcome. And if you're using an FMS or CIM, a presetter is all the more indispensable.

### If you are not presetting, you're not cutting it

A machine tool's primary function is cutting chips. A CNC machine that is not making parts is wasting money. With the tool locked in the machine spindle, access to the backup screw is denied and it is difficult to adjust the tool tip.

Drawback of using the CNC machine as tool presetter is that it does not afford a good opportunity for inspecting the condition of the cutting edge and the optical projector helps in this function.

Presetting is also considered safe since it eliminates the need for the operator to touch off the tool. This can be a major risk, particularly on large horizontal machines.

In short, off line presetting is a way to improve competitiveness with a relatively modest investment.

### Through Ashwini tool presetters, you can:

- **Make the best use of your machines**
- **Ensure accurate, time-saving presetting of bits and tools**
- **Eliminate dimensional errors in tool setting and machining**
- **Providing your machining operations with quick presetting that's easy to implement**

### SALIENT FEATURES:

- Digital Readout system with 0.5 micron least count & RS 232 C output Port.
- Projector with graduated Radii and angle measurement.
- Pneumatic tool clamping
- Sturdy, Robust design ensuring good construction and outstanding reliability.
- Spindle taper of ISO 50, 45, 40 and HSK offered.

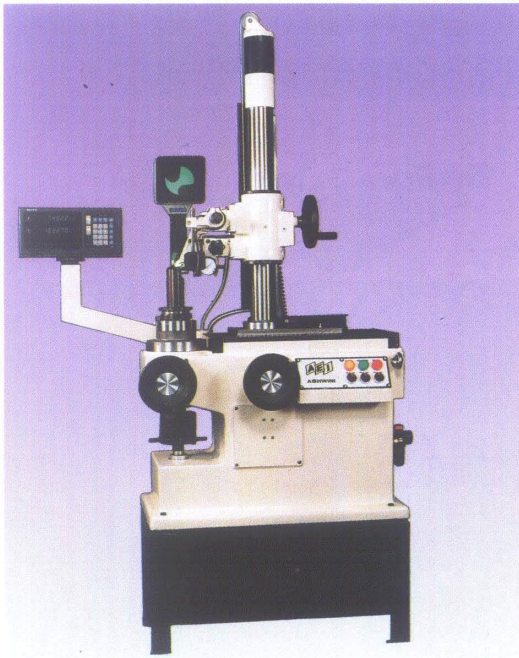
### Also offered on Request:

DNC Package with connection to upto 10 machining centres.

**TS SERIES ASHWINI TOOL PRESETTER**



## TS - A7



The TS A7 is a practical highly accurate model. The X & Z axis movements are by Hand wheels.

### SPECIFICATIONS:-

|                 |  |
|-----------------|--|
| Measuring Range | : X axis 0 - 300mm<br>Z axis 0 - 400 mm      |
| Spindle - Taper | : ISO 50,<br>[ISO 45, 40, HSK<br>on request] |
| Min. Read Value | : X axis 0.002mm/dia<br>Z axis 0.005mm       |
| Checker dial    | : X axis 0.001mm<br>Z axis 0.005mm           |
| Projector       | : 10 Mag.                                    |
| Tool clamp      | : Auto clamp by<br>compressed air.           |
| Power           | : AC 220 V                                   |
| Weight          | : 385 Kgs.                                   |

## TS - A7E



The TS A7E is motor driven for quick and easy vertical and radial movements.

### SPECIFICATIONS:-

|                 |   |
|-----------------|---|
| Measuring Range | : X axis 0 - 300mm<br>Z axis 0 - 400 mm                               |
| Spindle - Taper | : ISO 50,<br>[ISO 45, 40, HSK<br>on request]                          |
| Min. Read Value | : X axis 0.002mm/dia<br>Z axis 0.005mm                                |
| Checker dial    | : X axis 0.001mm<br>Z axis 0.005mm                                    |
| Projector       | : 10 Mag.   |
| Operation       | : Control by mono lever<br>switch Fine adjustment<br>by Manual-knobs. |
| Tool clamp      | : Auto clamp by<br>compressed air.                                    |
| Power           | : AC 220 V  |
| Weight          | : 465 Kgs.  |

## TS SERIES ACCESSORIES

### STANDARD ACCESSORIES

#### TEST MANDREL



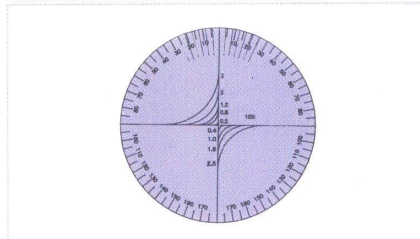
**TEST MANDREL:** For checking concentricity and for initial setting.

#### COMPARE GAUGE



**COMPARE GAUGE:** To measure the gauge plane difference between the machine & Tool presetter spindles.

#### GONIOMETER



A built in optical angle measurement unit on the projector. Direct projection on the screen. Readout accuracy of 10'.

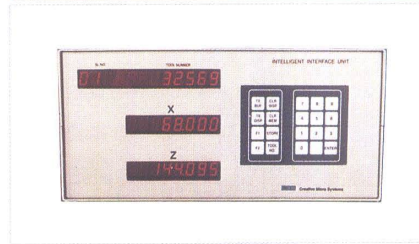
### SPECIAL ACCESSORIES

#### QUICK ADAPTOR



An accessory for use on basic spindle to reduce the spindle taper. Unique design allows clamping of tools when using the Adaptor. Supplied as a set with Test Mandrel & compare gauge.

#### IIU



The Intelligence Interface Unit exclusively designed by Ashwini. An accessory of the DRO. Has facility to input Sr. No & Tool No. Storage memory of 1000 sets. RS. 232 C output port.



**ashwini engineering industries**

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