



Universal Presetter and Measuring
Machine for use with turning machines

»hyperion«

Whether you want to preset tools for turning machines or milling centers – with the ZOLLER »hyperion 300/500/700« a single measuring machine is sufficient for nearly all your different tool fixtures. The series can be adapted to your specific needs by various measuring ranges, three sizes of turret tables and the superior ZOLLER image processing system »pilot 3.0« absolutely ideal, if not only rotating tools, but also lathe cutting tools and tools for automatic multi-spindle lathes are to be preset and measured in your company.



- ✔ Available in up to seven selectable measuring ranges in Z and X
- ✔ Three different turret table sizes available
- ✔ A variety of tool holding fixtures can be mounted on a turret table allowing quick and easy access
- ✔ Without turret table it is equipped with a universal basic holding fixture which allows manual or power-operated clamping of virtually all different tool holding fixtures
- ✔ 2, 3 or 4 large tool holding fixtures can be fitted to increase speed and operator-friendliness
- ✔ By swiveling the turret table, the user always has the correct tool holding fixture in the measuring range
- ✔ ZOLLER image processing software »pilot 3.0«

- ✔ Heidenhain glass scales for high measuring accuracy
- ✔ CCD camera with telecentric lens
- ✔ Dynamic cross hairs over entire measuring window
- ✔ Analog focusing display for focusing the tool cutting edge
- ✔ Automatic cutting edge recognition, also greater than 90°
- ✔ Cutting edge inspection with 30-fold magnification
- ✔ Manual projector function / Adapter and tool management
- ✔ Zero point monitoring for process reliability
- ✔ Numerous measuring programs, for example, concentricity and run-out
- ✔ Machine table

We reserve the right to make technical changes.



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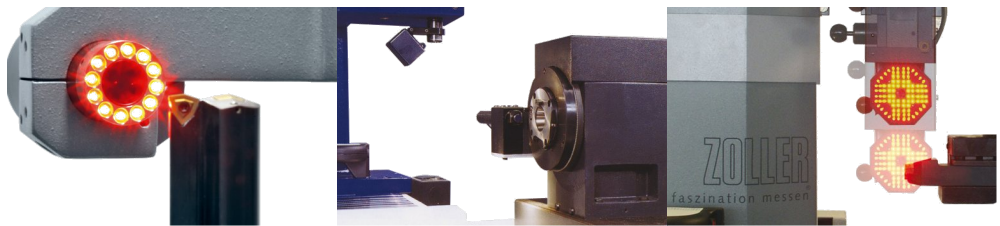
Technical Data	Measuring range Z	Measuring range X	Swivel range Ø
»hyperion 300«	350 mm / 13.7"	300 mm / 11.8"	300 mm / 11.8"
»hyperion 500/400«	500 mm / 19.7"	400 mm / 15.7"	480 mm / 18.9"
»hyperion 500/500«	500 mm / 19.7"	500 mm / 19.7"	480 mm / 18.9"
»hyperion 700«	700 mm / 27.5"	500 mm / 19.7"	480 mm / 18.9"

Note: Three different turret table sizes available. By using adapters and tool posts the quoted measuring range may vary.



»pilot 3.0« 24"

State-of-the-art image processing technology



Cutting edge inspection

Tool identification

Optical adjustment



Automatic zero point selection



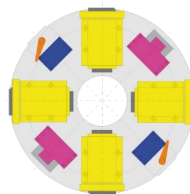
Control unit »cockpit«



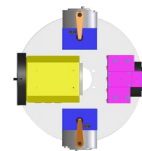
Center height measuring device



Turret table loading D900
12-fold pitching



Turret table loading D745
8-fold pitching



Turret table loading D450
4-fold pitching

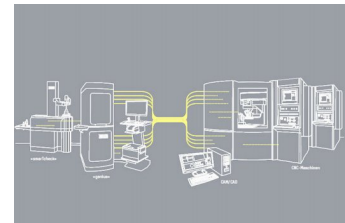
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Color laser printer



Label printer



Data transmission



Storage trays for adapters



Maintenance unit



Option #1: Tool holding fixture »GA«



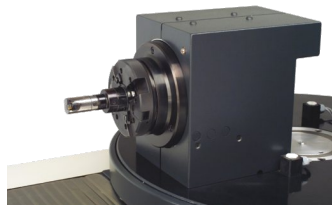
Option #1: Adapter VDI



Option #2: Tool holding fixture »GA-PP«



Option #2: VDI straight shank adapter



Option #3: Tool holding fixture »GH-U«



Option #3: Tool post steep taper / front clamping



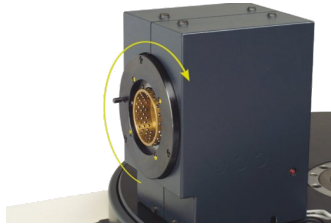
Option #3: Tool post HSK / front clamping

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Option #4: Tool holding fixture »HGH-UZ«



Option #4: Membrane keyboard



Option #4: Tool post ISO



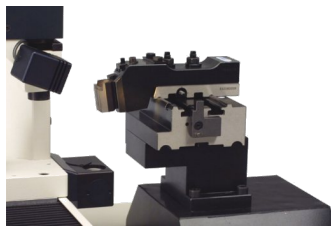
Option #4: Tool post HSK



Option #4: Clamping elements



Option #4: Tool post straight shank VDI



Option #5: Special holding fixture if required

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