Products for cutting process

In the cutting process, numerical and quantitative correction must be made based on the measured data after the machining, so that inconsistency in quality due to tool wear is kept at a certain level. The PULCOM series of TOKYO SEIMITSU offers a wide selection. They are applicable for a variety of measurements on workpieces, such as outer diameter, inner diameter, width, splines (discontinuous surface), etc. Compatible with the fieldbus telecommunication standard and improved in linking with CNC and PLC, they centrally control accumulated data and underlie further quality enhancement. ATC machining centers have a risk of sudden defects due to chips getting into the space between the tool taper and the main spindle. The ATC runout detection system fully detects chip invasion before machining and prevents defects.



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Measuring Heads PULCOM BG















Application examples/Configuration examples











Ring inner diameter measurement

Manual zero setting can be done easily. All you need to do is to loosen the finger contact by turning the lever, turn the lever to the opposite side while pushing the finger contact to the workpiece, and clamp. It can be used for up to 40 mm of diameter difference.

[G1 + G2 = Inner diameter]







Application examples/Configuration examples













Measurement of outer diameter, inner diameter, and thickness Through combined application with the control unit PULCOM V10A or others, outer diameter at two locations, inner diameter at two locations and thickness at one location can be simultaneously measured and simultaneously judged and output.

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