

# BALL END MILL MEASURING SYSTEM

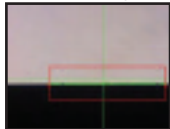


A precision solution for measuring the end radius of ball end milling cutters

### A highly accurate view of every profile

The CCD camera in the vision unit has no focussing error, therefore maximum measuring accuracy and fastest operation is assured.

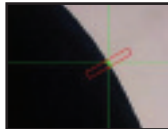
#### Measuring Sequence



Determine reference position on the cutter body



Digitise the cutting edge profile at the first position required



Move the instrument to the next position and digitise again – repeat until all points have been digitised

### Simple procedures deliver rapid results

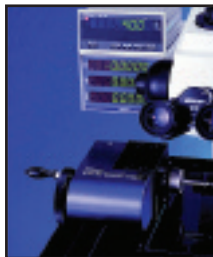
With just a few inputs, the ball end mill software guides you quickly and easily through the measurement process.



Dialogue box for specifying measuring conditions



Navigation display helps set reference points



### Digital rotary head gives high accuracy without compromise

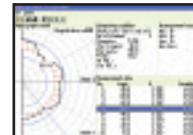
The rotary head incorporates digital indexing with switchable resolution between 0.1 and 1 degree. The spindle angle is continuously displayed on the digital display unit.

### See edge-profile accuracy at a glance

Graphical display is a great way of viewing and documenting measuring sequences and profile errors.



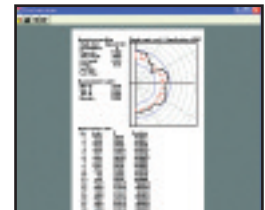
### Generate reports with precise numerical values and descriptive graphics



Measurement reports clearly displaying the results in numerical and graphical form are easily produced by using QSPAK.

### Produce test certificates for quality assurance

The ball end mill software can generate a detailed inspection certificate to accompany each end mill measured – an important feature in view of today's stringent quality assurance requirements.



### Use as a measuring microscope or vision-based measuring instrument and get extra value from your investment

As well as ball end mill inspection, the system can also be used as a general purpose measuring microscope or vision measuring instrument that makes full use of the power of QSPAK, Mitutoyo's feature-packed evaluation software.