

**CHALLENGE:** To find the best possible tool-holder system for your needs.

**SOLUTION:** Get verified test data from an independent survey.

## Seeing is believing

**THE WELL-REPUTED** RWTH Aachen University in Germany has recently carried out a new study on Coromant Capto and comparable holding systems. The test series conducted by the university's machine tool laboratory (WZL) in 2009 compared bending stiffness and torque resistance of Coromant Capto with comparable sizes of other standardized tool-holder systems.

The results were striking: None of the competing tool-holding systems could achieve even close to the same results as the Coromant Capto coupling.

"This is yet another proof that Coromant Capto is the best option for standardization across all machines in the workshop," says Ronald Schreiber, manager for Coromant Capto at Sandvik Coromant.

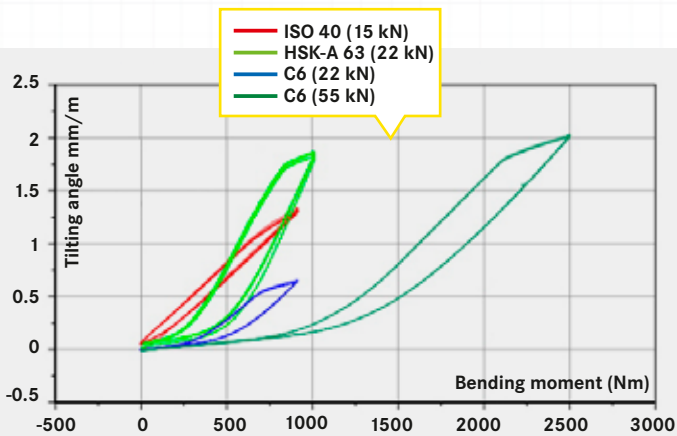
Among other things, the study showed that the greater wall thickness of Coromant Capto in comparison to HSK allows for higher clamping forces. These higher clamping forces translate into increased bending stiffness (see left graph below).

Independent comparative data on tooling systems are difficult to come by. ■



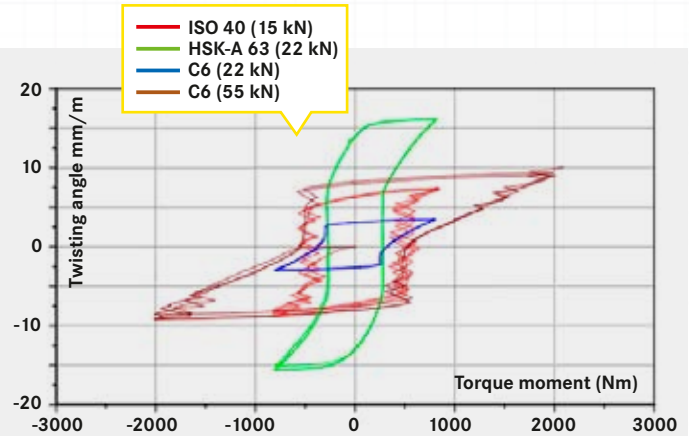
### SUMMARY

Independent test data verify that Coromant Capto has extreme resistance to both bending and torsion – much better than competing tool-holding systems. ■



### BENDING CHARACTERISTICS

The graph shows that Coromant Capto C6 has 1.65 times better interface stiffness than HSK 63. The toppling of the face contact was 2.88 times better. Corresponding figures for Coromant Capto C10 were 1.51 for the interface stiffness and 2.15 for the toppling of the face contact.



### TORSIONAL CHARACTERISTICS

The graph shows that Coromant Capto C6 has 2.29 times better torque resistance than HSK 63. The twisting angle was 7.08 times better. Corresponding figures for Coromant Capto C10 were 1.85 for the torque resistance and 4.0 for the twisting angle.