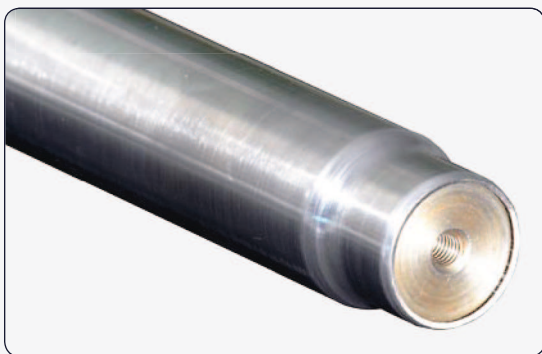




STERN 50 IMS

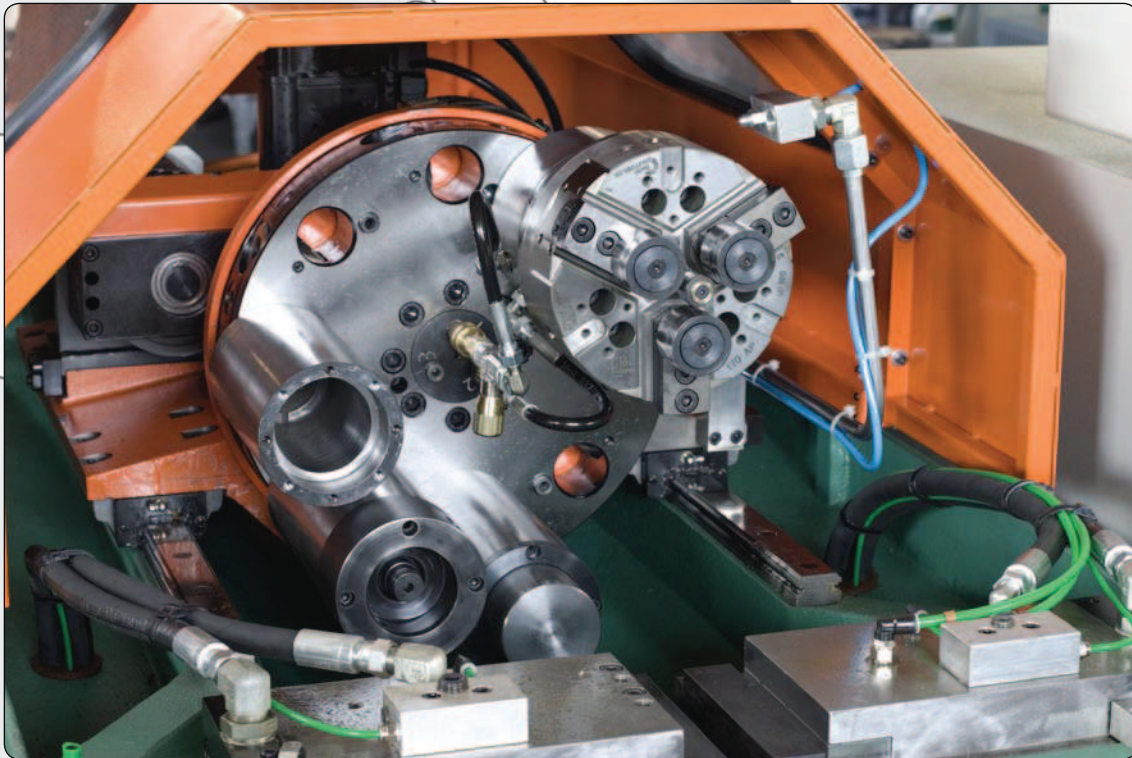


AUTOMATIC END FORMING MACHINE



The **STERN 50 IMS** completes the range of IMS controlled end-forming machines. Machine features are very similar to the Stern 25 IMS but in addition it offers a much wider range of use, as machine has been designed to work tubes up to OD 55 x 4 in steel and light alloys. Machine is complete with Pentium processor PC, touch screen, fast controlled axis and 8 multiple translation/rotary work stations. The STERN 50 IMS is designed to give constant performance and repeatability in time and to ensure minimal operator intervention. Machine structure

guarantees efficiency and sturdiness in all its parts from machine movements carried out by recirculating ball slides, pushing cylinder driven by proportional valve, axis position read by magnetic scale sensors to the brushless motors used both to change work station and to motorise the actual tools. Once again the automatic optimisation of the work cycles, easy programming, rapid tool change, double vice closing system, automatic lubrication of mechanical organs make STERN 50 IMS suitable for even the most complex end-forming operations.



specifications

Max tapering capacity	Ø 55 x 4 mm
Max. tapering length with standard die block	170 mm
Max. tapering length with special die block	220 mm
No. seats (VDI 40 standardized) for fitting tools	8
No. seats for motor-driven tools (DIN 5482 coupling)	8
Cycle time for travel (80 mm F+R)	0.75 sec
Positioning precision	0.05 mm
Work unit thrust force	110.000 N
Work unit return force	110.000 N
Jaws length	140 mm
Max. jaws aperture	52 mm
Hydraulic control unit oil tank capacity	114 L
Installed power	16,5 Kw
Dimensions (L x W x H)	1410 x 2130 x 1740 mm
Weight (w/out oil and tools)	2100 Kg

