

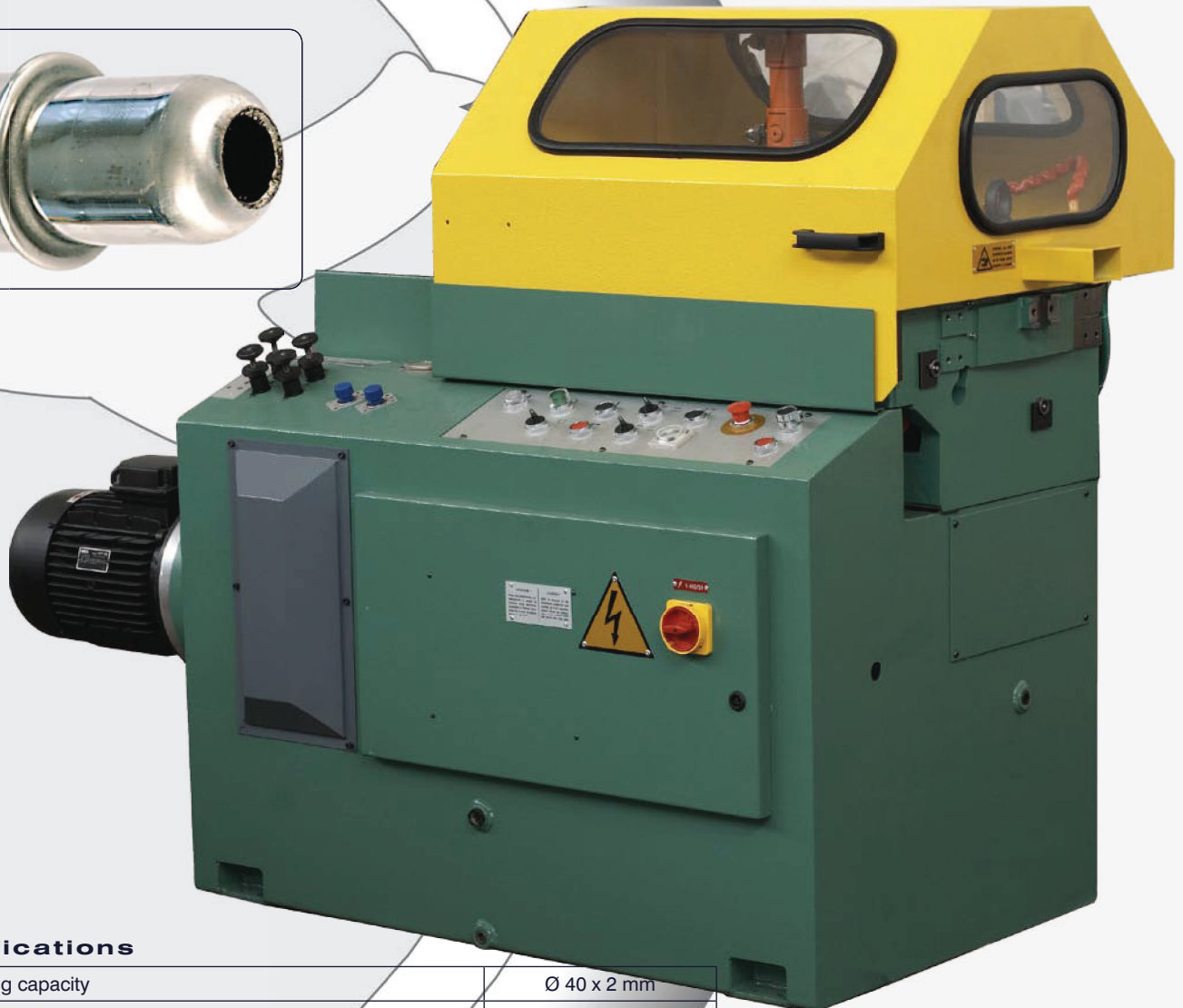
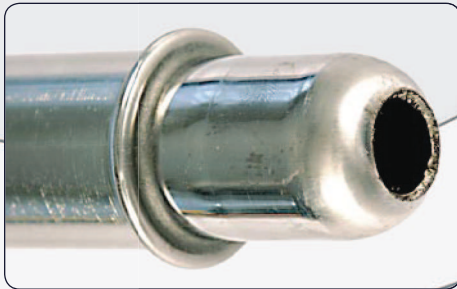
STERN BROWN 40

END FORMING MACHINE



The tube reducing and flaring machines of the series STERN BROWN, have been designed for end forming, flanging, swaging, reducing and bombing of tubes for toys, furniture, light tubular scaffolding industries. The machine base in thick steel plate holds the working groups and contains two oil tanks for the hydraulic circuit and punches lubrication. The cylinder head, which holds the punches, slides on guides. The vice group, elbow joint type, guarantees a perfect clamping of the tube. The automatic working sequence is determined by hydraulic valves. The automatic working cycle, with

equipment for two operations passages in sequence, is the following: clamping and (adjustable) lubrication of the tube, length stop displacement, forward stroke of the first punch and return at the end of the working operation. Positioning, lubrication and working stroke of the second punch, length stop return, vice opening and return of slide holding punches to the initial position. The STERN BROWN 40 can be supplied in two versions 1° version with equipment for two operations in sequence 2° version with equipment for four operations in sequence.



specifications

Max tapering capacity	Ø 40 x 2 mm
Max. tapering length with standard die block	100 mm
Max. tapering length with special die block	-
No. seats for fitting tools	4
Cycle time for travel (80 mm F+R)	2 sec
Positioning precision	0.05 mm
Work unit thrust force	82500 N
Maximum working pressure	105 bar
Jaws length	170 mm
Max. jaws aperture	42 mm
Hydraulic control unit oil tank capacity	160 L
Installed power	7,5 Kw
Dimensions (L x W x H)	1030 x 1770 x 1730 mm
Weight (w/out oil and tools)	800 Kg

