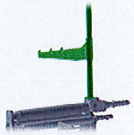
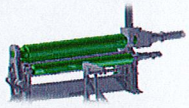
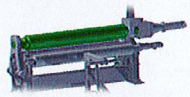
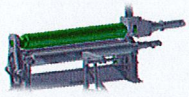
3.2 Basic configuration

BASIC CONFIGURATION	
Barrel length of rollers	2100 mm
Roller diameter	
Top roller	260 mm
Bottom roller	250 mm
Side rollers	180 mm
Smallest possible bending diameter based on the top roller, depending on material spring-back	300 mm
Number of rollers	4
Bearing of all 4 rollers	Roller bearings (SKF, FAG, INA)
Maximum force against top roller	700 kN
Roller material	High-alloy steel, 42CrMo4
Number of driven rollers	1 (top roller)
Roller drive	Electric motor (engine efficiency > 90%)
Working speed	0 – 8 m/min (stepless)
Roller adjustment	hydraulic
Inclination of bottom roller and side rollers for cone bending	steplessly variable from the control desk
Operation of tilting bearing	hydraulic
Control	7-axes CNC control with 19"" touch screen
Display of side roller position	4 x digital display accuracy 0.1 mm
Display of bottom roller position	2 x digital display accuracy 0.1 mm
Protection	Machine overload protection
Installed power (approx.)	7.5 kW
Weight of the machine (approx.)	6.1 t
Machine dimensions (approx.)	4400 mm x 880 mm x 1425 mm
Lubrication	manual
Technical documentation	2 x CS + 1 CD

3.3 Optional features

OPTIONAL FEATURES		YES / NO
▪ **Two roller drive** In addition to the top roller drive, the bottom roller is driven as well by electric motor and planetary gear.		
▪ **Cone bending device** For bending of cones with an angle > 5°		X
▪ **Top support** Hydraulic height adjustment Max. bending diameter 3000 mm Max. load 50 kN		
▪ **Lateral support** Hydraulic height adjustment 1 supporting roll Max. load 35 kN		
▪ **Remote maintenance by remote access** TPC/IP Ethernet connection for online maintenance		X
▪ **Hardened rollers** Surface hardening of all rollers (58 HRC)		X
▪ **Bigger top roller** In order to minimise the deflection Top roller diameter = mm		
▪ **Smaller top roller** In order to minimise the possible bending diameter ▪ Top roller diameter = mm		
▪ **Country-specific adaption / Climate package** Heating device for temperature ranges < 5°C Special cooling device for temperature ranges > 45°		
▪ **Service / Training** Commissioning and training by a mounting and bending specialist		