ZEHNDER&SOMMER
Precision Feed Systems

Electronic Roll Feeder
EVS 520 – 1020 TM
600 mm² strip cross-section

– Compact design
– Can be retrofitted to any press
– Service friendly
– Highly dynamic AC servomotor
– Direct drive bottom roller
– Driven top roller
– Hardened and ground precision rollers
– Rapid pneumatic pilot release
– Adjustable press-on force by the top roller
– Adjustable release path
– Feed-in roller cage with strip guidance
– Machine can be used to push or pull
– Sensor for strip guidance monitoring

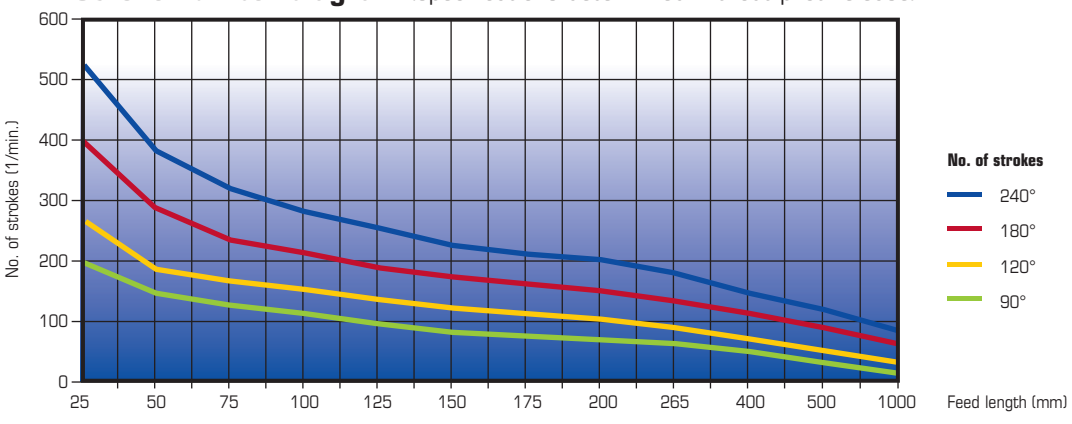
Option for feeder:
– Rollers with special coating
– Roller profile grinding
– Manually adjustable mounting bracket
– Motorised adjustable mounting bracket
– Pneumatically actuated measuring wheel
– Dual system (push – pull)
– Colour marking sensor



Technical data

Model	Strip width	Roller opening	Rollers	Feed length	Accuracy	Speed	Tractive force
EVS 520 TM	520	6 mm	ø 100 mm	0,1–19,999 mm	+/– 0,02 mm	max. 310 m/min.	550 N / 1100 N
EVS 620 TM	620						
EVS 820 TM	820						
EVS 1020 TM	1020						

Stroke number diagram (specifications determined without pilot release)



ZEHNDER & SOMMER AG
CH-3400 Burgdorf – Switzerland
info@zehndersommer.com

ZEHNDER & SOMMER GmbH
DE-58452 Witten – Germany
info@zehndersommer.com

ZEHNDER & SOMMER GmbH
DE-76199 Karlsruhe – Germany
des@zehndersommer.de

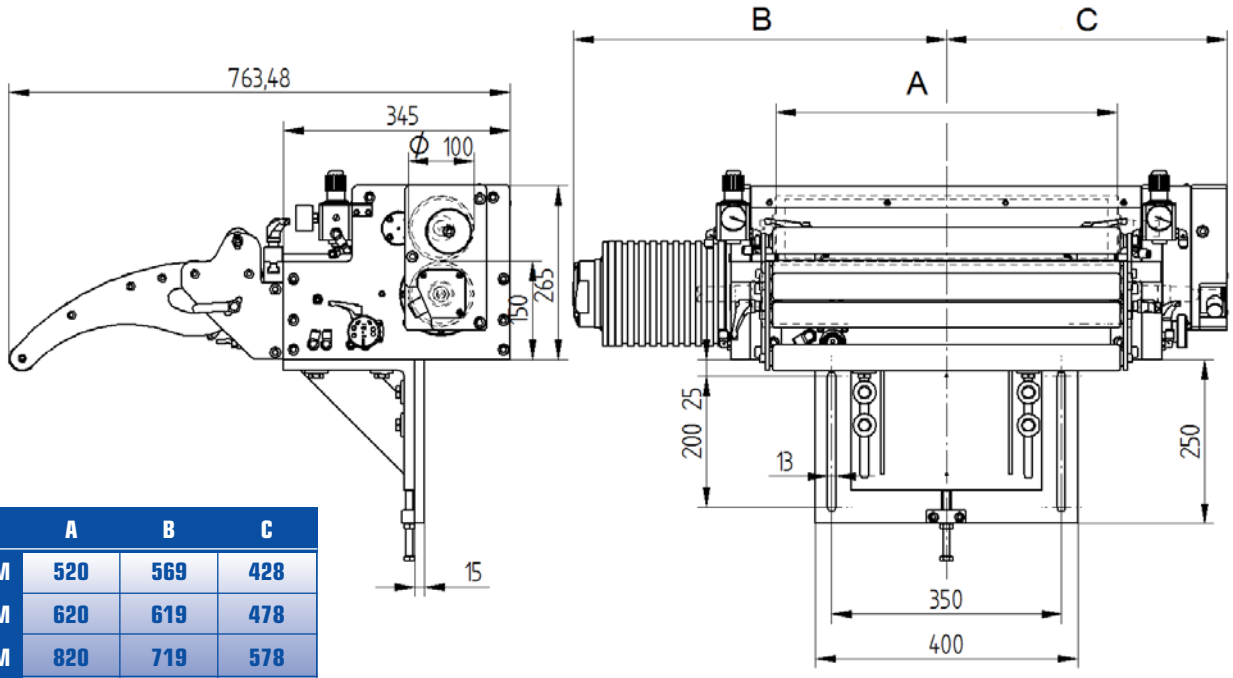
Compact CNC control system for roll feeders

– Easy coupling and retrofitting on any press
– Same operation for all types of feed
– Extremely easy to program and operate
– Profile speed adjustment based on selected number of strokes
– Up to 99 user programs can be stored in the control system
– Piece, partial quantity and auxiliary counters can be freely programmed
– Multiple sections can be programmed
– End of strip monitoring
– IPS1 pulse inhibitor for safe stop up to Safety Category 4, e.g. manual feed work
– Intuitive control via HMI



Options

– Synchronous mode with integrated electronic cams
– Electronic cam shaft with 16 cams (8 dynamic)
– Fieldbus connection (ProfiNet, EtherCAT, Ethernet, Profibus)
– PC software for external data maintenance and backup
– Tool protection
– Optoelectronic sensors for finding marks with software
– IS1 monitoring unit permits safe setup and manual movement when the safety doors are open, up to Safety Category 4
– Enable button for IS1 monitoring unit



Model	A	B	C
EVS 520 TM	520	569	428
EVS 620 TM	620	619	478
EVS 820 TM	820	719	578
EVS 1020 TM	1020	819	678

Technical modifications subject to change. Performance data depends on material.

10.2016 EN – EVS 520 - 1020 TM

Headquarters Switzerland
ZEHNDER & SOMMER AG
Dammstrasse 18-20 CH-3400 Burgdorf
Phone +41 31 740 50 50
info@zehndersommer.com
www.zehndersommer.com

Germany North
ZEHNDER & SOMMER GmbH
Bommerfelder Ring 96 DE-58452 Witten
Phone +49 2302 276 140
info@zehndersommer.de
www.zehndersommer.com

Germany South
ZEHNDER & SOMMER GmbH
Lange Strasse 4 DE-76199 Karlsruhe
Phone +49 721 83079769
des@zehndersommer.de
www.zehndersommer.com