



RZV 2.1

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Radial gripper feed unit



Your advantages

- Patented, compact feeding system for highly dynamic and secure positioning of strip or wire material
- Variable feed pitches from zero to infinite – even various feed pitches (forwards and backwards) in one work cycle
- Gentle treatment of the material due to multiple clamping - via a compensation system, the clamping pressure is allocated to the three grippers (exact transport is ensured also in case of thickness tolerances of strip material)
- High positioning accuracy of up to ± 0.02 mm
- The lightweight construction allows for high stroke rates (e.g. 1,200 strokes/min. with a feed length of 20 mm)

Convincing technical data

- NC drive with water-cooled servo motor
- Max. feeding speed 3,2 m/s
- Feeding force 1,000 N
- Feeding accuracy ± 0.02 mm*
- Hydraulic clamping pressure can be set from 3,000 N to 7,000 N
- Material transport temperature up to max. 60°C
- Quickchange of cam rails and feeding grippers possible
- Increased feeding capacity due to optimized motion profile

Ingeniously simple principle

The drive is generated by a servo motor and transmitted to a revolving special belt. Twelve feed grippers with pressure compensation system are fixed to this belt. A hydraulic unit controls the clamping pressure by means of a parallelogram (automatic adjustment of material thickness from 0 to 9.0 mm). Cam rails provide for the simultaneous closing of three grippers on the straight section of the feed from above and underneath.

Material dimensions:

- max. strip thickness 9.0 mm
- max. strip width 300 mm
- max. wire diameter 9.0 mm

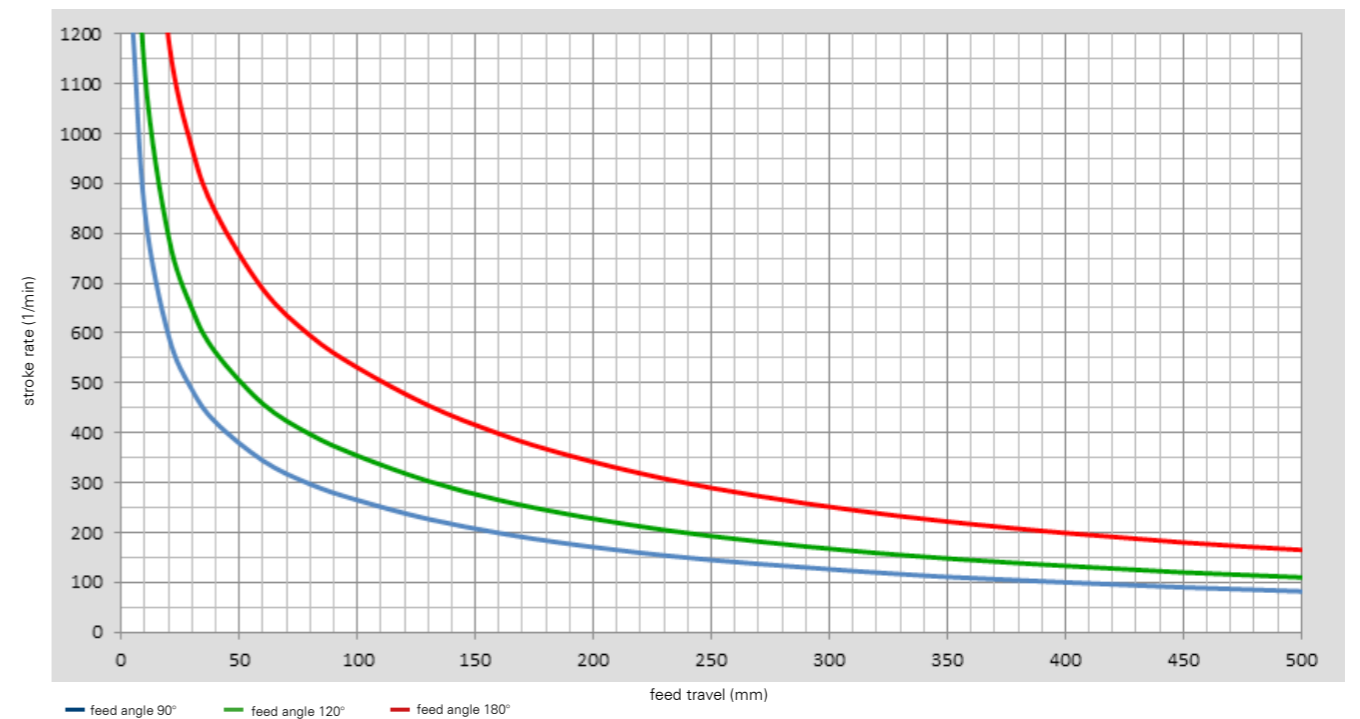
* Feed length 20 mm; cycle rate 200 1/min; feed angle 90°; active straightener

Easy programming and convenient operation with machine and process controller VariControl



RZV 2.1 with device for horizontal and vertical axis adjustment and protection against contact

Feed capacity RZV 2.1, feed mass 2 kg, with active straightener



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