PRS 160

Fully - Automated Cable Cutting System ENG

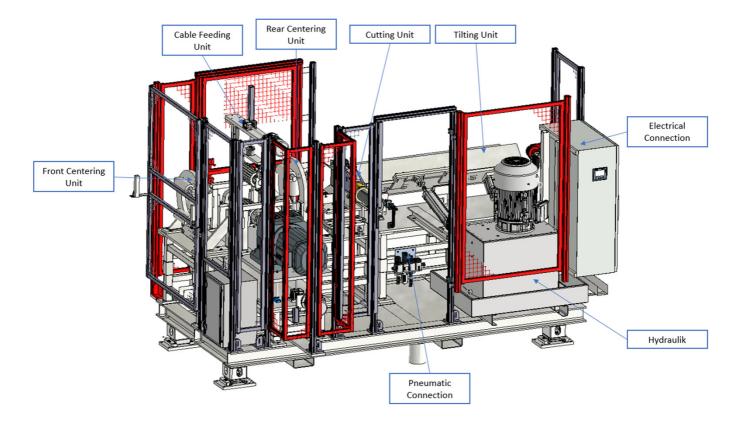|	
Feed rate	v= 125mm/s
Cut-off length	l= 1000mm
Cutting time	s= ca. 3-4 sec. mit RKP 22
Hydraulik pressure	550bar
Pneumatc pressure	Pp= 6bar

Cutting time 4 sec.

Can cut upto Ø160 mm

Feed rate v= 125mm/s

Cable Feeding Unit

Rear Centering Unit

Cutting Unit

Tilting Unit

Electrical Connection

Front Centering Unit

Hydraulik

Pneumatic Connection

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Transport- Cutting und Depositing Process

1. The cable to be cut is centered by means of the feeder and clamped with spiked rollers. The rollers, driven by a powerful electric motor, convey the cable from the cable drum into the cutting system.

2. The electrically driven rollers feed the cable at a constant feed rate (125mm/s) through the cable intake into the hydraulic cable shear (HKS7-2 V "S"). The rollers for the intake form a positive connection with the cable.

3. When approx. 1000mm of cable have been fed through the cable shears, the take-off unit stops for the cutting process (the detection of the pulses via the transport shaft guarantees the section length of 1000mm).

4. The cutting process is initiated when the length setpoint is reached and the drive has come to a stop. The cable cutter is carried along horizontally in the Y coordinate. (Orthogonal to the cable feed).

5. After material separation, the cable shear is pneumatically moved back to its starting position via a linear unit

6. The cut piece of cable is discharged into a container by a tipping device.

7. Once the tilting device has returned to its home position, the next machining cycle starts automatically.

8. When the light grid detects the end of the cable, the last processing cycle is initiated. All units then move to their original positions.

> **Cutting time 4 sec.**

> **Can cut upto Ø160 mm**

> **Feed rate v= 125mm/s**