



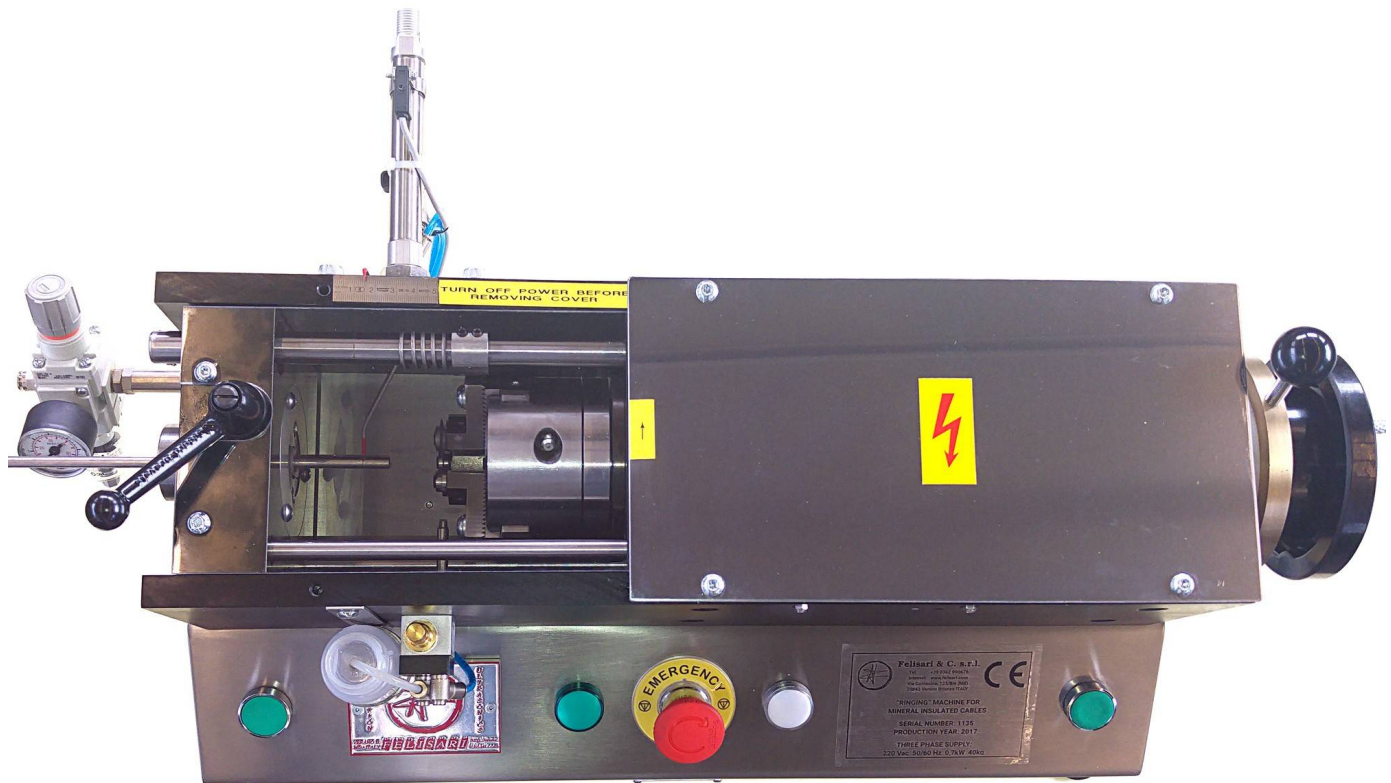
## Factory Automation Line



FELISARI & C. s.r.l.

# Ringing

**Multipurpose and Flexible  
sheath grooving-cutter machine**



## Technology:

Stationary cable grooved by rotating blade with PLC sequencer

## Process Features:

- **Stationary cable** grooved by a **rotating blade wheel**
- **Fast** cable machining: about 5÷15 seconds
- Very **simple** to setup and operate.
- Cable **stopper** to correctly insert the cable on the position to be machined
- Internal **PLC** with display and keys for a total control
- **Safety 2 Start buttons** system with central Emergency/Stop button
- Wide range Multi point **Clamping** system
- Automatic **motors standby** when the machine is not in use

## Setting Features:

- **Very simple to set-up and operate.**
- **Groove depth** adjustment by **large handwheel** equipped with mechanical **stop** and big gravitational **clock for reading the setup**
- **Cable stopper** adjustment with a ruler
- **Different setting possibilities** depending on the diameters and lengths of the cables
- **Blade Pressure** and **approach speed** adjustment

## Quality Features:

- High precision **rotating blade wheel**
- **Accurate** and **repeatable** results
- **Solid** design with full **metal** and **titanium** parts.
- **Fine settings** to maximize Quality, Repeatability and Efficiency.
- Made with **robust materials** to withstand heavy duty production.

## Maintenance Features:

- Easiness of **replacing the grooving wheel** in about 1 minute
- Total **access to functional parts**: grooving tool, lever and deepness actuator
- **No need to remove machining chips: the machine does not remove material**

## Processing sequence:

- Insert the cable until it touches the indexed stopper
- Tightening the cable by rotate lever on top of cable mandrel
- Start by pressing the 2 start buttons
- The process start by moving cable inside machine under blade whells
- The wheels will groove the cable according to the setting of the special handwheel equipped with a reading clock
- The wheels will unfold and the cable will come out of the work area
- Rotate the cable mandrel lever to retrieve it

## Workable cable range:

**Workable Diameter** according to the equipment set / setup

Setup Name	used set	workable diameter (mm) and note	
• "C" Standard	1Blade+2CW	1<D<13	
• "D" ShortCables	1Blade+2CW	1<D< 3	3<D<13 removing the 2CW
• "B" BigCables	3CommBlades	6<D<13	
• "A" Acc*SmallC	1Bl+Cent.Collet	1<D< 3.2	specific centering collets+support
• "P" Crimper	3CrimpWheels	1<D<13	

Blade = Sharped blade made for MI cables

CW = Centering Wheels are asymmetrical and smaller than the blade

CommercialBlades = effort spread over 3 blades, less precision,  
for large or non-round cables

Centering Collets = To work specific Diameter: 0.5 1.0 1.5 3.0mm (other on request)

The **minimum cable length** of the cable is

100mm with the standard machine and it can be reduced to

80mm with a rework of cable blocking chuck and is reduced to

45mm in the special version for Short cables (Setup "D")

The **maximum cable length**: no limit for diameters < 5mm

Sheath Material: Stainless Steel, Hastelloy, High melting point alloys

## Machine specifications:

- CE safety rules compliant
- Power supply:  
400/230V three phase 50/60Hz, (220V Single phase on request)  
0.7kW
- Air supply: 2 ÷ 6 Atm
- Body dimensions: (LxWxH)      600x240 300h mm
- Overall dim. with external parts: 700x400 330h mm
- Weight: 40 Kg



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