Rudolf Grauer AG

Concrete fibre system
BF-100 CNC

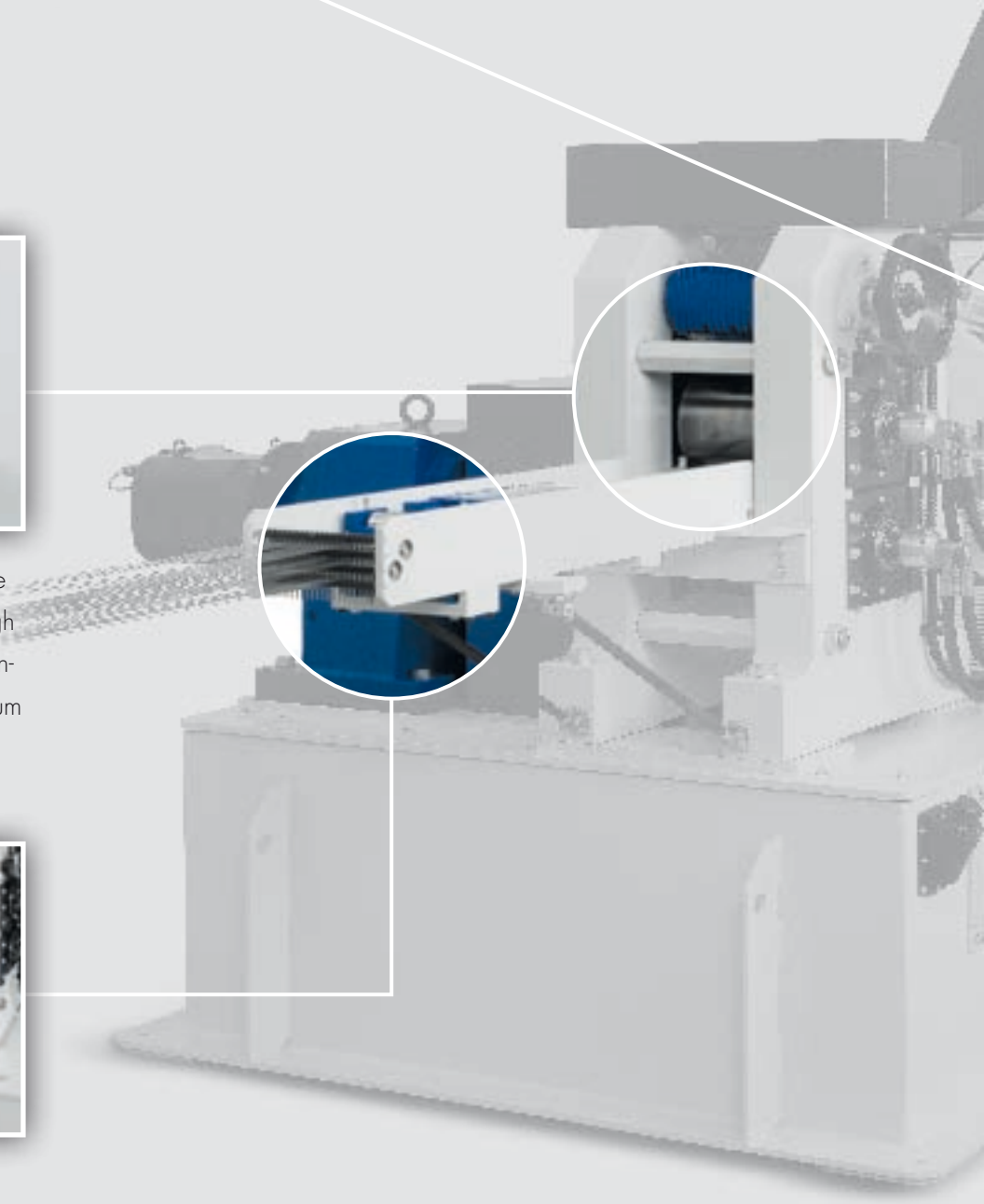
The Grauer BF-100 CNC concrete fibre system is used for economical production of concrete steel fibres. Depending on wire diameter and cutting length, up to 600 kg of steel wire per hour can be processed into concrete fibres with the powerful BF-100 CNC system.

Quality System ISO 9001

Concrete fibre system
BF-100 CNC

The auxiliary feeder pushes the wires into the tool of the punching machine in a synchronised manner. The wire feed-in length is directly entered in the control unit and implemented precisely by the servo motor of the feeder. Wire guides prevent the wires from buckling and ensure fault-free operation.

A robustly designed mill draws the wires directly from the coils through a straightening mechanism. Depending on the wire quality, a minimum rolling depth of 0,1 to 0,2 mm is required.



The economical production of concrete steel fibres.

In the first tool station, the wires are bent. This bending gives the concrete steel fibres the typical Z-hooks that can then be anchored in the concrete.

In the second tool station, the concrete steel fibres are cut to the correct length. The blades are made of carbide, thus ensuring a long service life. A conveyor belt carries away the concrete steel fibres from the machine area.

The BF-100 CNC is fitted with a modern control unit. The screen always displays the current status of the machine. The user is guided through the individual settings in the dialog.

Visuelle Umsetzung: säntsprint ag

Rudolf Grauer AG

Mechanical Engineering
9113 Degersheim
Switzerland

Phone +41 (0)71 372 80 40
Fax +41 (0)71 372 80 45
E-mail info@grauer.ch
Web www.grauer.ch

subject to change

BF-100 CNC

Technical specifications:

Wire diameter	0,5–1,2 mm
Fibre length	30–80 mm
Number of wires	max. 100
Number of strokes per minute, infinitely variable	2–400 min^{-1}
Drive output	approx. 22 kW
Plant weight with control cabinet	approx. 5800 kg
Space required without coil rack: length, width, height	approx. 6,0 x 3,0 x 2,0 m

Quality System ISO 9001