

# Three-roll mill

## Three-roll mill with or without integrated dough band former

### 1 description of machinery

The WLS **Three-roll mill** with or without an integrated dough band former is a rolling plant for rolled pasta manufacturing. Thanks to the modular system it's possible to produce many different pasta variations with a single production plant. Starting off with the common production of Tagliatelle with different widths, lengths and strengths the machine can be expanded to being able to handle every kind of pasta manufacturing. Our roller system provides an unique product quality. The finished mixed dough will be delivered to the band former who continuously creates a dough band with dimensions of approx. 6 mm strength and 350 or 420 mm width. Through the roller conveyer this dough band is transferred to the first rolling station which then rolls it out to a strength of approx. 1,5 - 2,5 mm. With the conveyor belt which is attached to the first rolling station, the dough band will be transferred to the second rolling station, where it will be rolled out to the desired final strength. From there on the rolled out dough band will be transferred to the cutting station where it's going to be cut to the desired length and width. The attached long hanging device can produce long hanged rolled goods in different strengths, widths and lengths. The capacity of the plant is approx. 100 - 180 kg per hour, depending on the desired speed and dough band width.

### 2 technical data

band former	
Trough halves	standard steel version, hard chromed inside
Kneading wings and corrugated rolls	Quality steel hard chromed
Power	depending on dough band width 1,5 - 4 kW
Hopper	stainless steel
rolling unit	
Undercarriage	varnished in a stable tubular steel version
Side parts of the rolling station	anodized aluminum
Roller	made of CK 45, hard chromed
Drive	gear motors, electronically adjustable
Cutting rollers	stainless steel
Drive of the cutting rollers	gear motors, electronically adjustable
Clipping	pneumatically via a rotating cylinder



Figure 1: Three-roll mill