

Feed rolls

The most suitable surface for each application



Whether the material to process is very soft, hard, abrasive, brittle or extremely hot, with the correct feed roll, suited for the processed products, you can optimize the strand pelletizing process.

Automatik Plastics Machinery offers the best solution for a wide variety of applications.

Your benefits

- Optimized strand feeding performance
- High lifetime of feed rolls
- Uniform pellets
- Less costs
- Free of silicone

Feed rolls

The most suitable surface for each application

In both dry cut and wet cut pelletizing a smooth strand feed ensures in practice uniform pellets, less waste and less wear at the strand feeding parts. Therefore a suitable feed roll with the correct „grip“ can have a crucial impact on product quality, process stability and production costs.

The functionality of a feed roll is not only determined by its geometry, the quality of the used material is also especially important. The correct combination of different factors, like hardness, abrasion, elasticity or deformation under pressure, is crucial.

Thanks to many years of experience we can already offer a wide variety of feed roll materials, specially suited for the demands of our customers.



Extract from our range of feed rolls

Examples of feed rolls with elastomer coating for dry cut applications:

Type	EL01	EL22	EL24
Material	NBR	PUR	NBR
Hardness	80 Shore (A)	55 Shore (A)	80 Shore (A)
Temperature limit	120° C	100° C	170° C
Application example	Virgin Polymers	Brittle Polymers	Compounds



Examples of steel feed rolls for wet and dry cut applications:

Type	GN03	GR01	GR03
Surface	Grooved	Knurled	Cross knurled
Hardened	No	Yes	Yes
Corrosion resistance	Good	Very good	Very good
Application example	Suitable for a wide variety of products		



For pelletizing of very abrasive products, like strands filled with glass fibers, we also offer steel feed rolls with wear protective coating.

Our VS35-coating of electroplated diamond for knurled steel rolls offers not only significant higher lifetime compared to hardened steel rolls, it also improves draw in behaviour and strand stability due to its higher roughness.

Ordering Information

To ensure correct processing of your order, we require the following Information:

- Machine type
- Commission or machine number

Should you have any questions, please contact us by phone or email.