

Dienes – M-real Successful modernisation of sheeters



Before installation



After installation

Dienes Werke in Overath has succeeded in modernising a Jagenberg Syncro AS16 sheeter, built in 1977, belonging to the M-real paper factory in Hallein, Austria.

For modernisation of the sheeter, M-real decided to collaborate with Dienes because of the latter's technical competence and worldwide quality of market leadership

1. **Paper weight per unit area** 800 g/m²
2. **Knife service life** increased tenfold
3. **Slitting dust** dramatically reduced
4. **Set-up time** reduced by 70%
5. **Slitting speed** 300 m/Min.

The total activity has brought about the following modifications to the sheeter's performance. At a maximum cutting speed of 300 m/min cutting widths of 320 mm have been achieved. The maximum paper weight comprises up to 8 layers of paper with a total weight of 800 g/m². The PSGDF-Box knife holders, specially developed and patented for the sheeter, ensure cutting without play or vibration at precisely defined cutting locations and shear angles and with a prescribed contact force. **The service lives of the top and bottom knives have been increased almost ten-fold. The introduction of these special knife holders has also led to a dramatic reduction in dust levels.**

In addition a fully automatic top and bottom knife adjustment mechanism has been installed that has enabled the machine downtime to be reduced by more than 70%.