

“BOIS & TECHNIQUES” magazine / Special edition « Xylexpo Milan » exhibition - May 2008

Since 1977, the SEM AUTOMATION facility established in Caussade (France) specializes in the design and the setting-up of equipment for the wood primary processing industry (conveyors, trunk pickers, debarkers, crosscutting benches, measuring devices, log conveyors, waste belts, shredders, wood-peeling machines, sorting belts, cart loading facilities, woodboard pickers, log-splitters, automated nailing machines for pallets, etc).

At the Xylexpo Milan Fair, we exhibit a universal pre-centring / centring device for laser measurements, adaptable on any type of wood-peeling machine, whose technical features are as follows:

A Pre-centring device

- Pre-centring device with 2 independent V-blocks allowing to centre the logs presenting concities.
- Loading by 2 hydraulically-powered arms, adapted to the log diameters.
- Equipped with a jolting system for the centring of the log.
- Inlet height in the pre-centring device: 930 mm
- Singulation height of your chains: 940/950 mm

A laser-guided centring device fitted with :

- Two jaw clamp spindles for turning each log
- Three laser units for measuring variations in log circumference during the rotation.
- Cabinet containing automatic unit for calculating the largest diameter. An optimization axe can then be determined.
- Each spindle moves independently in X and Y axes to ensure optimal positioning of the peeling axis.
- Centring accuracy : ± 5 mm maxi

