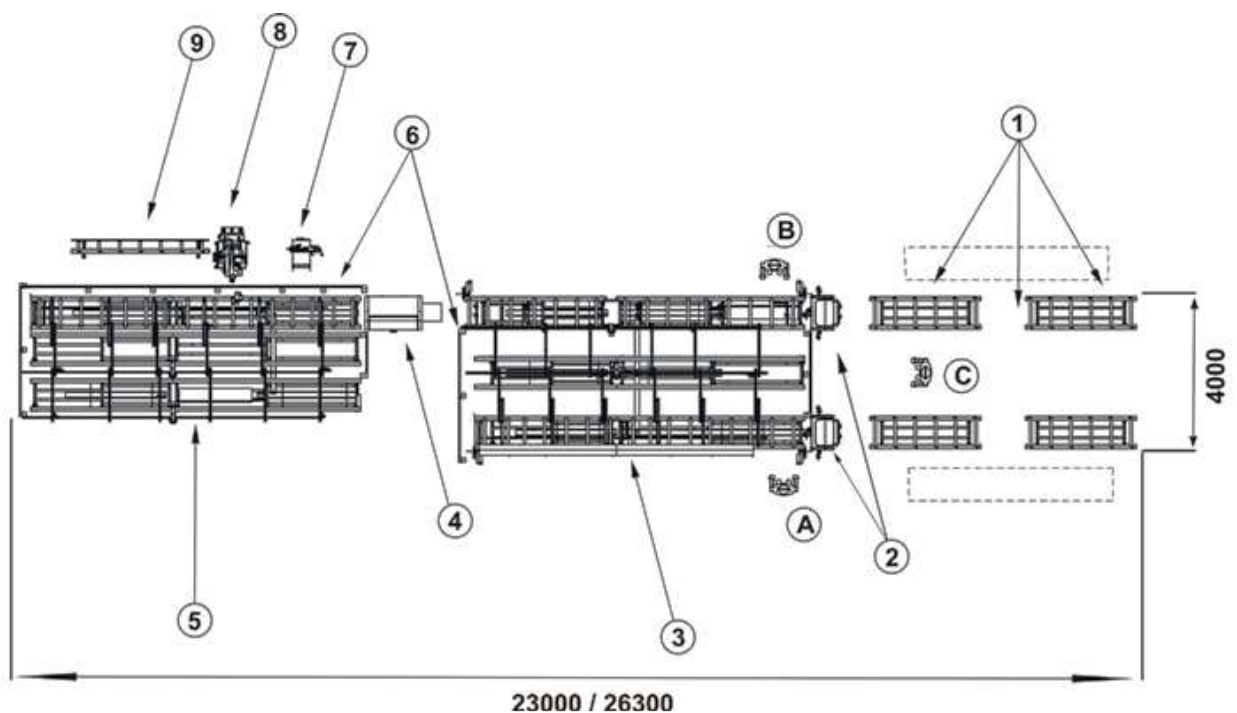


THERMAL BRIDGING PRODUCTION SYSTEM

LAYOUT PRODUCTION OMICRON (PA-strips insertion realized during the knurling phase)

This solution is adapted for medium-high production.

The presence of 2 knurling machines and the modular conveyor system permit a standard production, reducing at minimum for the operators the manual handling of the profiles. This layout minimize the requested spaces optimizing the labour and guaranting the continue operation of the implant. The solution Omicron, with modular conveyor system with double step and thermal bridging magazine near the roll forming guarantes major productivity even if there are lot of change of setting.



N° 3 operators

Approx. capacity:

80-90 barre / h

- Loading roller table 2,4mt
- Knurling machine Grip/Ber
- Thermal bridging automatic conveyor system with double step
- Roll forming Blok TI/Blok T2
- Thermal bridging modular magazine with double step
- Fencing
- Griptester M
- Single head sawing machine Sika plus
- Loading roller table 4,2mt

1° PHASE KNURLING AND POLYAMIDE INSERTION

The operation consists:

- in the notching of the grooves which will house the PA-strip;
- in the PA-strip insertion with a particular grippers system housed in outfeed from the knurling machine

2° PHASE ROLL FORMING

The alu-teeth of the upper and lower extrusions are roll-formed through a progressive thrust of the pressure rollers, locking the PA-strip.

3° PHASE SHEAR FORCE TEST

In the order to monitor the quality of the composite profile, a shear force test is run on a sample of 100mm length