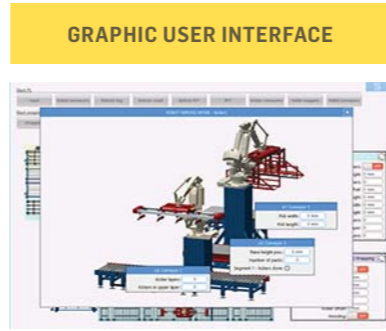




**MINERALWOOL
DOWNSTREAM EQUIPMENT**

MINERALWOOL



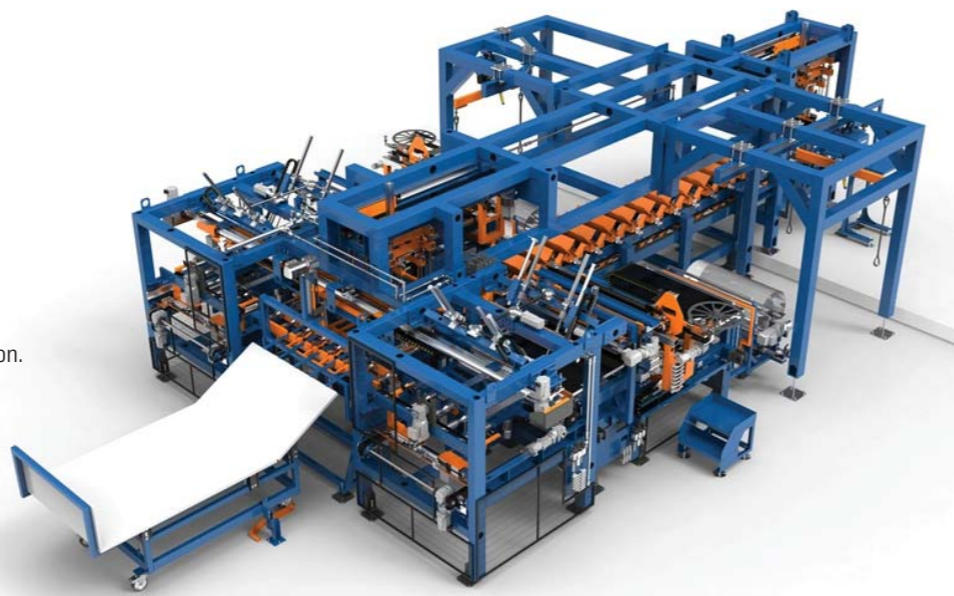
VIROBOT

ABB Robot for handling of mineralwool insulation sheets and bundles, lamellas and pallets

- Special Gripper for Stonewool
- Stacking height up to 3.000 mm
- Foil preparation
- Pipe lamination
- Printing and ejection



SPECIAL GRIPPERS

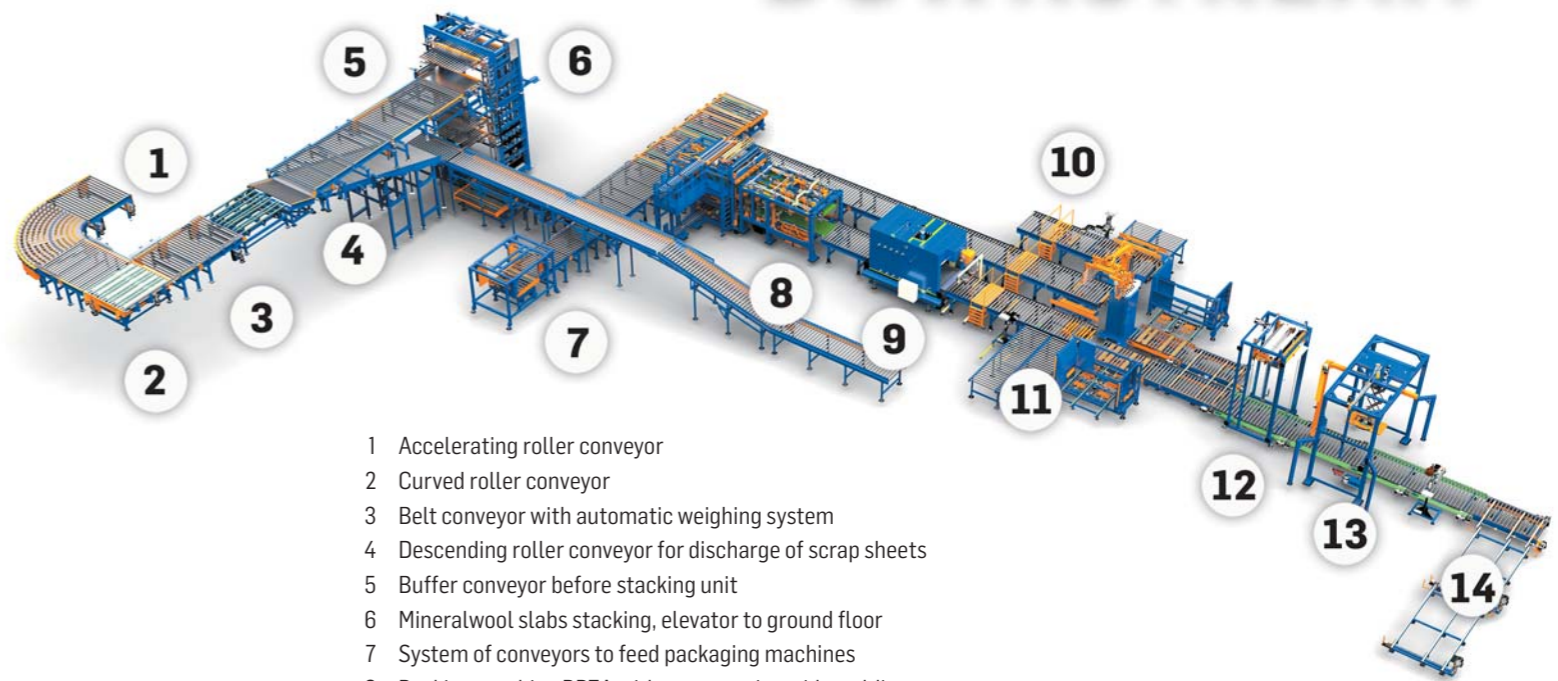


PIPE INSULATION FACING LINE

Pipe section facing line is designed for applying self adhesive aluminium foil on stone wool pipe insulation.

- Transport of stone wool pipe
- Left/right pipe transport
- Foil preparation
- Pipe lamination
- Printing and ejection

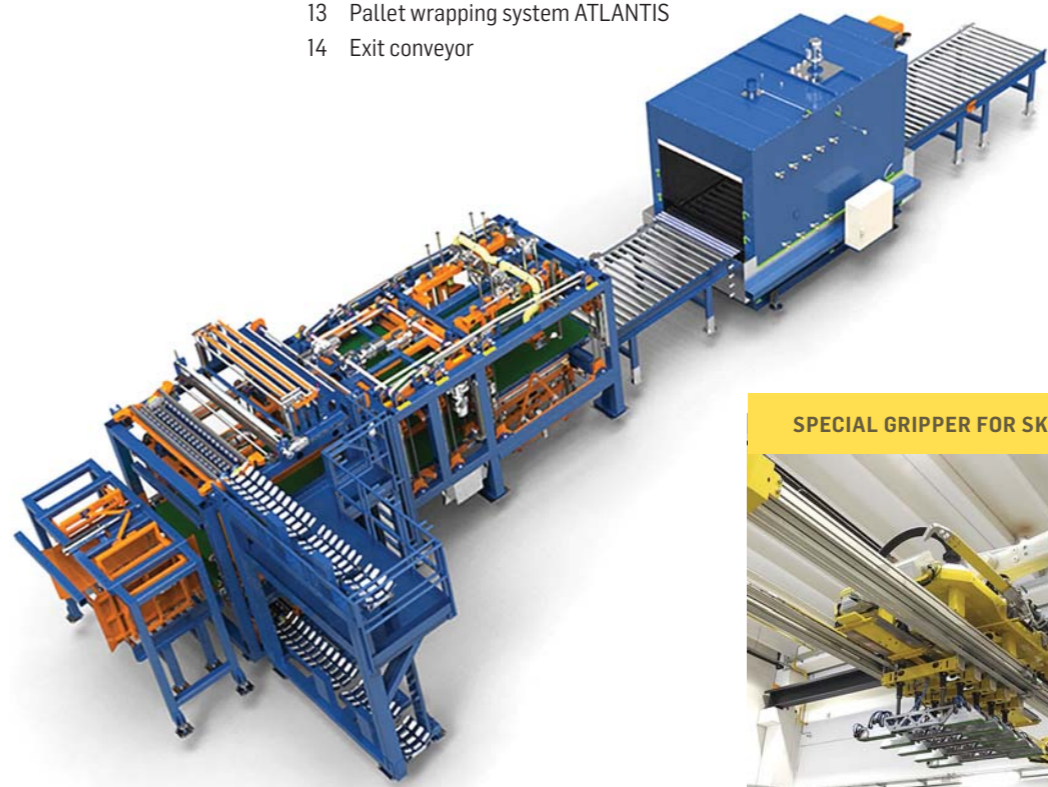
DOWNSTREAM



- 1 Accelerating roller conveyor
- 2 Curved roller conveyor
- 3 Belt conveyor with automatic weighing system
- 4 Descending roller conveyor for discharge of scrap sheets
- 5 Buffer conveyor before stacking unit
- 6 Mineralwool slabs stacking, elevator to ground floor
- 7 System of conveyors to feed packaging machines
- 8 Packing machine PPZA with compression, side welding
- 9 Thermo shrink tunnel - gas heated
- 10 Palletizing system with VIRO-BOT
- 11 Pallet magazin and -dispenser
- 12 Automatic lid (top) cover with PE film
- 13 Pallet wrapping system ATLANTIS
- 14 Exit conveyor

6-SIDE PACKAGING MACHINE

- External film magazine for fast film change
- Compression of bundles prior to wrapping
- Thermo shrink tunnel



SPECIAL GRIPPER FOR SKIDS

STARGATE - BALE WRAPPER



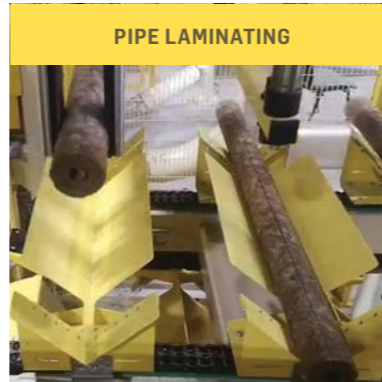
STACKING UNIT



VIROBOT - HANDLING



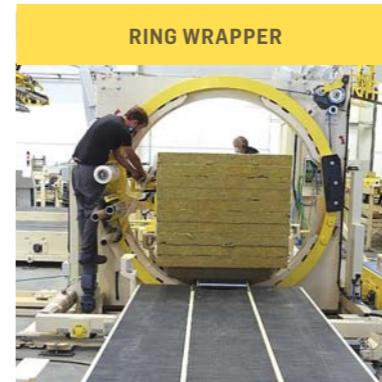
PIPE INSULATION



PIPE LAMINATING



FILM MAGAZINE



RING WRAPPER



LAMELLAS / SKIDS



WRAPPING LAMELLAS



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