

ROCK WOOL BLOWING  
PRESENTATION



> novatec  
engineering

# Rock wool Insulation / Filling

## «double wall» application

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This process is made for executing the rock wall insulation into a double wall pipe; that means that material of rock wool is delivered in flocs in between the inner and the outer pipe

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Material: natural fiber rock wool with a density of around 150-200 kg/m<sup>3</sup>

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The material is available in:

- flocs contained into rock wool bags of 25-50 kg
  - rock wool blocks shipped on euro pallet
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Control of the process is made through the pressure switch which detects the correct pressure value and in presence of material stops the working cycle

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Control of quantity of blown material inside the pipe after insulation through balance or loading cells

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Rock wool flocs  
in bag

Rock wool Insulation /  
Filling-Blowing  
Big ball of raw  
material on pallets





RWP Rock wool preparation/RWB Cabin for insulation



## Rock wool spacer

- Need of a specific rockwool ring in stock for each diameter
- Weak mech rigidity of connection to keep inner/outer pipes together; potential problem during shipping
- Customer must think about how to fix hard rock wool in between inner/outer and provide enough mech stability
- No thermic heating transmission from inner to outer pipe

## Metal ring spacer

- Can cover all diameter – no need of pieces in stock
- Best mech rigidity to keep inner/outer pipes
- Same ring to connect inner/outer and to close pipes
- Dedicate profile prepared to be fixed in the shape of M/F beads
- No welding point, just mech lockseam
- Automatic metal ring production
- Reduced thermic heating transmission



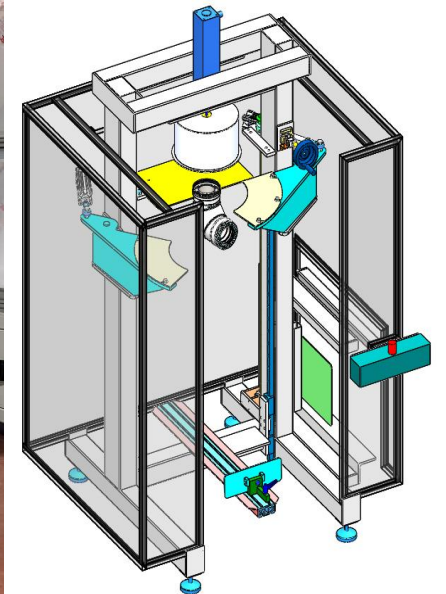
# MACHINES FOR METAL RINGS PRODUCTION



Metal ring press production



Metal ring mech fixation inner/outer



Pipe closing

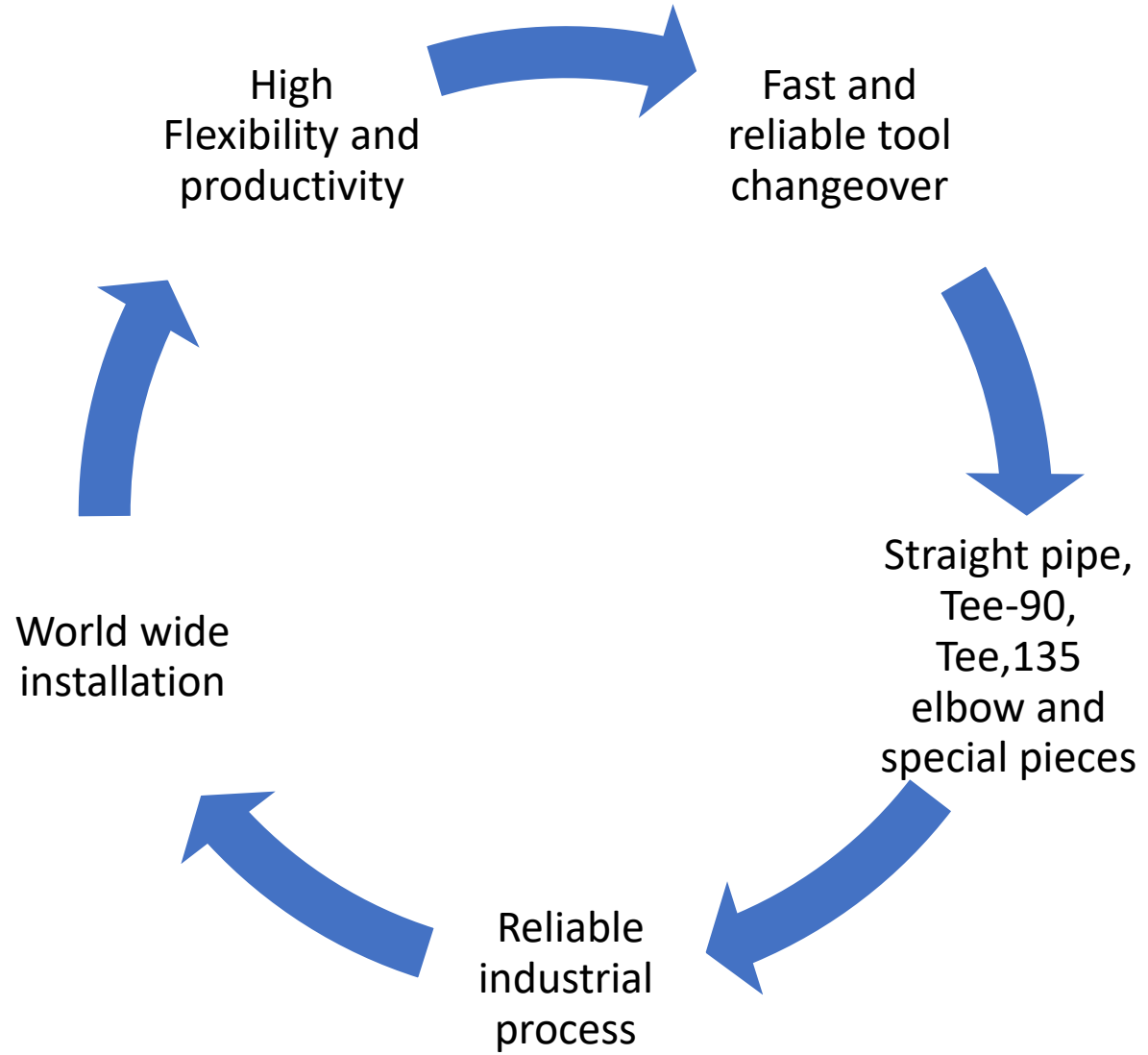
# EXAMPLES OF INSULATED PIPES AND COMPONENTS



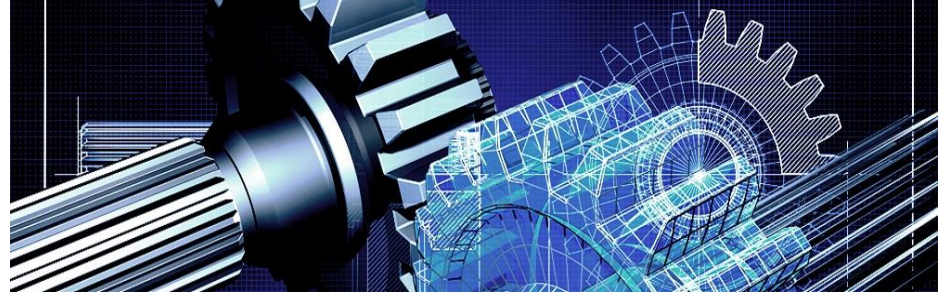
Straight pipe – elbows – tees  
Metal ring or rock wool ring



Rock wool in between inner/outer pipes







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