

## Recycling of prescreened stone

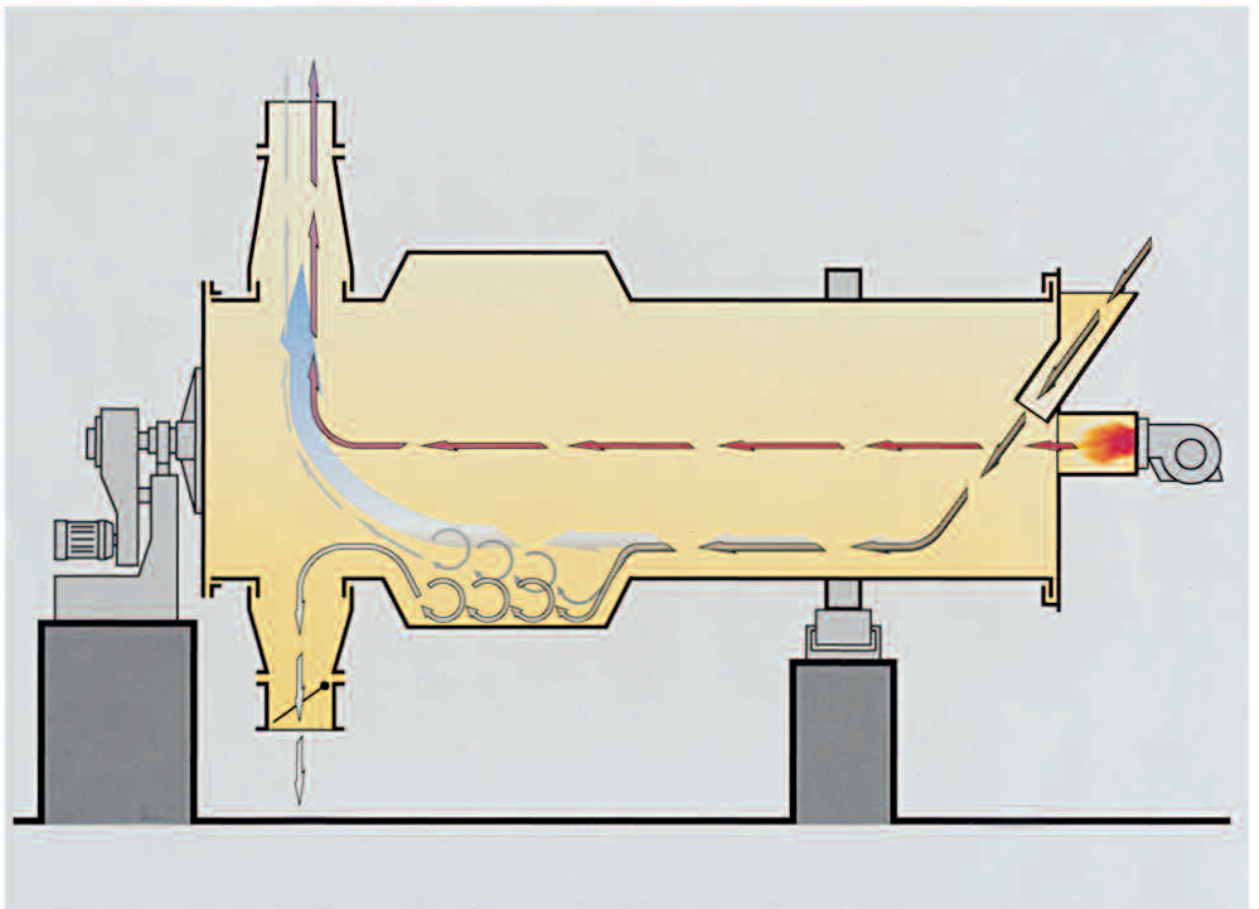


**drying & cleaning**

*Modern bulk material technology intelligently combined*

## Drying & cleaning: Efficient and economical.

**System TRH**



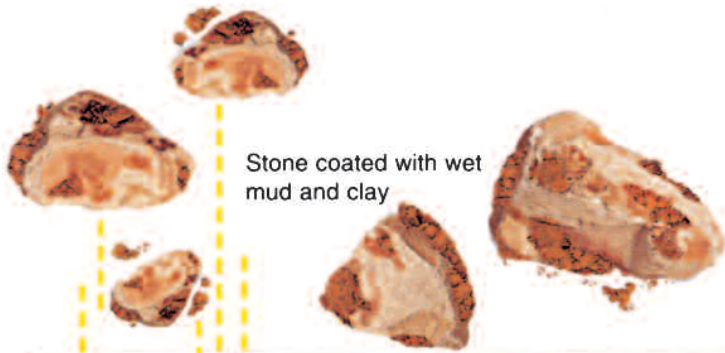
Wet and dirty material is fed into the drum and is dried in the first treatment zone. In the second treatment zone, the cleaning zone, adherent mud and dirt is rubbed off the stone and the resultant dust is blown out with the exhaust air. The cleaned stone leaves the drum by way of the outer casing. The dust, which is filtered from the exhaust air in a dust extraction unit can be further utilised.

- Adherent clay and loam is removed completely from the stone
- A single unit serves for both drying and cleaning
- Conventional washing of the material is unnecessary

- The cleaning zone can be readily adapted to the dirtiness of the material concerned
- Further utilisation of the mineral components is possible
- The expense of dumping uncleaned material is avoided

**Patent pending**

# Recovery of natural stone from prescreened rubble

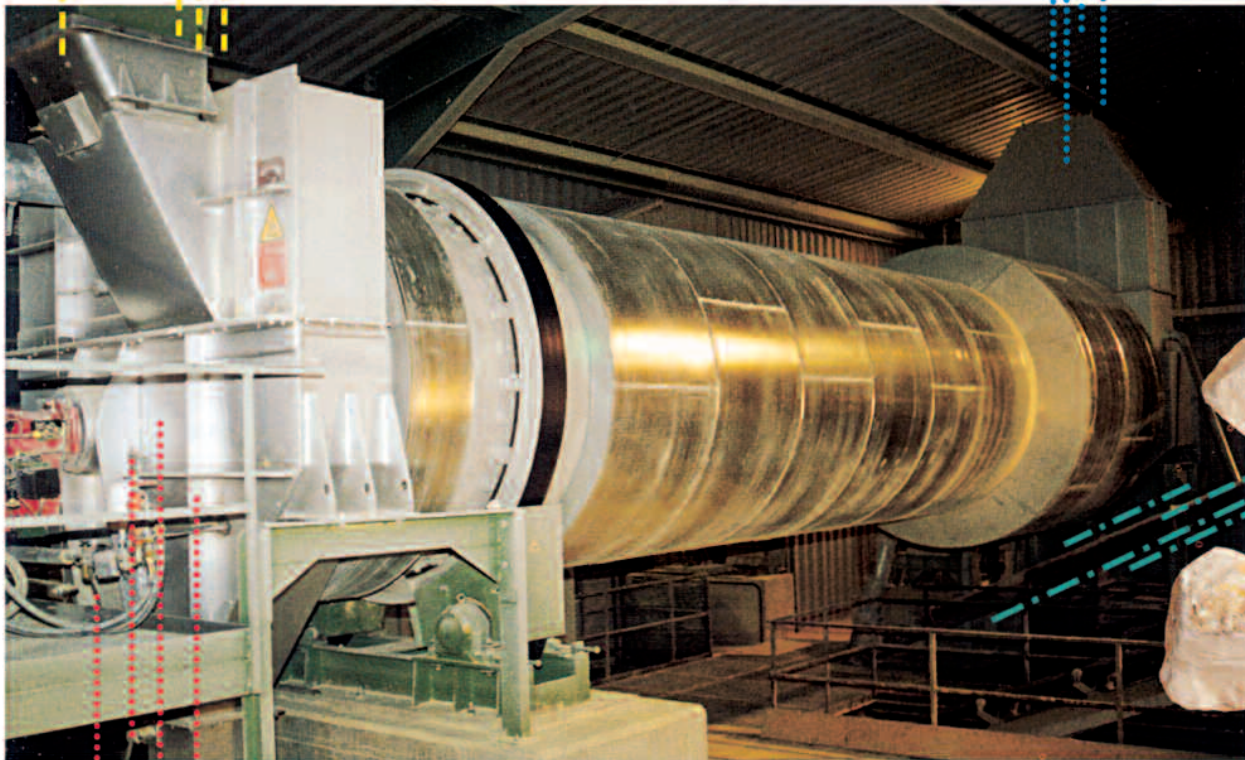


Stone coated with wet mud and clay



exhaust air

mineral components for further processing



natural stone for further use

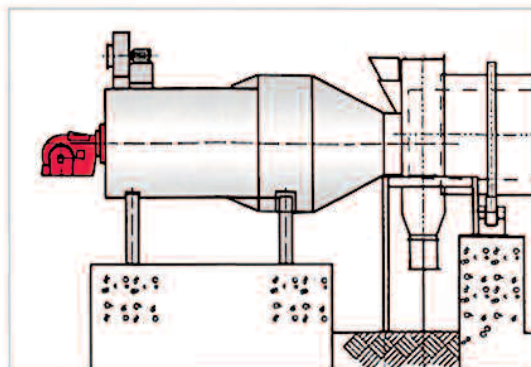
Heat for the combined drying & cleaning drum can be provided by means of a burner using natural gas, diesel oil or some other fuel either:



directly flange mounted on the drum



with an intermediate hot gas generator (for sensitive materials)



The TRH system can be operated with great economy if waste heat is available in the form of exhaust air from a block-type thermal power station or furnace lines. Such warm air is fed to the dryer after being brought to the required temperature in the hot gas generator with a considerable saving in fuel.

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