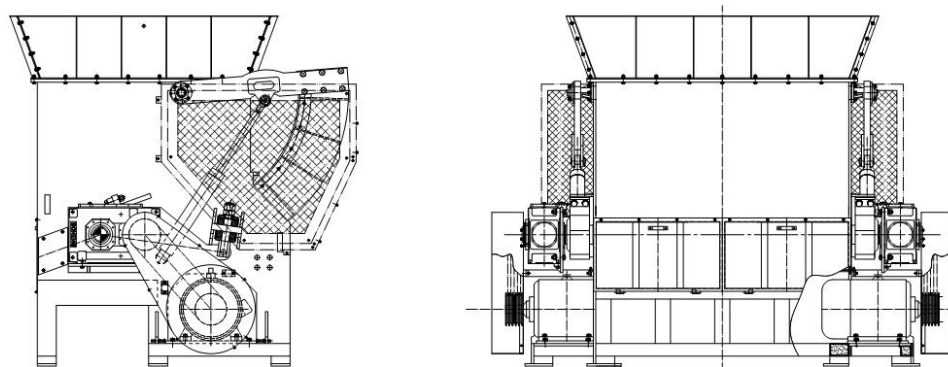


TECHNICAL & COMMERCIAL PROPOSAL

Bituminous Membrane Shredding Solution

YD-DZ2000 heavy-duty swing-arm single-shaft shredder



Prepared for TECNOMAF S.R.L.

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5,000

kg/h target design capacity



The solution is designed around four critical operating requirements

MATERIAL

SBS / APP bituminous membrane
4–8 mm

FEED FORM

Complete rolls, long off-cuts, large sheets
and pre-shredded pieces

OUTPUT

Approximately 30 × 100 mm
or 50 × 50 mm

OPERATION

**Stable high-throughput duty with controlled
wrapping, heat build-up and downtime**

YD-DZ2000 brings heavy-duty scale and torque

180 kW

Dual main drive: 90 kW × 2

Ø480 mm

Heavy-duty rotor diameter

12.5 t

Machine weight

83 rpm

Rotor speed

156

SKD-11 rotor knives

4 + 4

Counter knives

60 mm

Standard screen aperture

Hydraulic swing-arm feeding • Siemens PLC • automatic reverse and overload protection

Anti-wrapping performance is addressed at the rotor, feed and control levels

01

Special rotor geometry

A dedicated anti-wrapping rotor and cutting configuration is applied for long, flexible and fibrous membrane material.

02

Controlled feeding

The hydraulic swing arm maintains controlled contact with the rotor and reduces uncontrolled material movement.

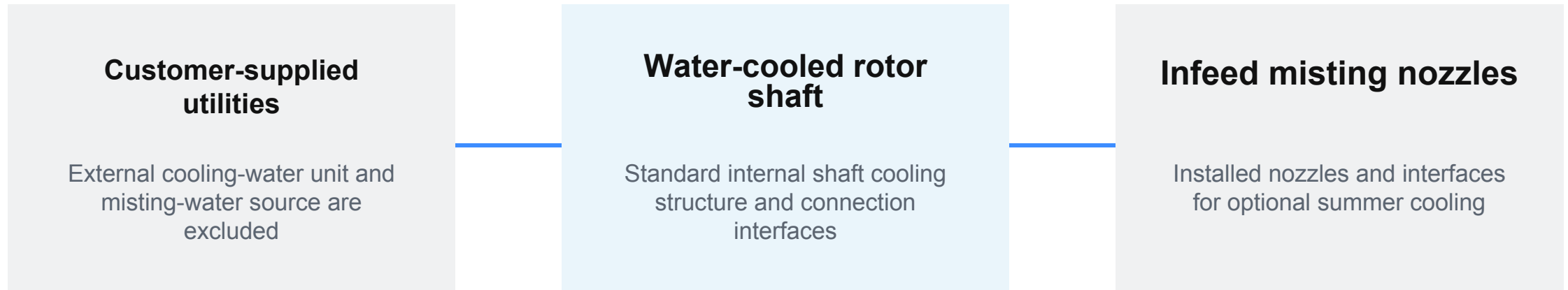
03

Automatic recovery

PLC overload monitoring, automatic reverse and restart logic reduce the duration of abnormal stoppages.

Included in the quoted configuration. Proprietary internal geometry remains manufacturer know-how; performance will be validated with representative material.

Two independent cooling provisions reduce summer heat build-up



Open confirmation: the water-mist option will be activated only if a small amount of moisture is acceptable in the customer's downstream process.

Capacity is configured for stable 5 t/h operation

ESTIMATED MAXIMUM

Up to 8,000

kg/h estimated maximum
throughput

≥5,000 kg/h

Target continuous operating
capacity

Performance basis

- Actual throughput depends on material composition, feed form, temperature, screen configuration and feeding conditions.
- The machine is configured to meet the customer's target continuous capacity of at least 5,000 kg/h.
- Final guaranteed capacity will be confirmed through representative-material testing and a mutually agreed technical acceptance protocol.

The 8,000 kg/h figure is an engineering estimate, not an unconditional performance guarantee.

Project price: EUR 74,800 FOB Shanghai

PROJECT PRICE

€74,800

FOB Shanghai

Proposed delivery: 50 days after
deposit and final technical
confirmation

Included project configuration

- Dual 90 kW motors and dual gear reducers
- Special anti-wrapping rotor configuration
- Water-cooled rotor shaft and connection interfaces
- Infeed water-mist nozzles
- Schneider electrical components for the European market
- Siemens PLC, overload protection and automatic reverse
- Export packing and FOB Shanghai delivery basis

Commercial terms define the FOB Shanghai supply scope

PRICE	EUR 74,800 — FOB Shanghai	WARRANTY	12 months
PAYMENT	70% deposit; 30% before shipment after pre-shipment inspection	PACKING	Standard export packing included
DELIVERY	50 days after deposit and final technical confirmation	UTILITIES EXCLUDED	External circulating-water unit and external misting-water source
VALIDITY	45 calendar days from quotation date	OTHER EXCLUSIONS	Ocean freight, insurance, import duties, VAT and onsite service

Remote technical guidance is included. Any onsite commissioning service will be quoted separately upon request.