

# EDS Enquiry Questionnaire

## Customer Name

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## Processing Requirements

Please provide the following information

What is the material being processed for?

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What bale size is to be processed?

Round Bales

Diameter: \_\_\_\_\_m Length: \_\_\_\_\_m

Rectangular Bales

Width: \_\_\_\_\_m Height: \_\_\_\_\_m Length: \_\_\_\_\_m

What is material to be chopped? \_\_\_\_\_

What is the moisture content of the material to be processed? \_\_\_\_\_%

Length of material after processing \_\_\_\_\_mm

What is throughput required?

How many Bales per day are you wishing to achieve? \_\_\_\_\_

or

What weight of material processed per day are you wishing to achieve? \_\_\_\_\_tonnes

## Loading

What vehicle/systems are available to load the bales? \_\_\_\_\_

Are you interested in an automated conveyor system to load the Mill? Yes / No

## Storage

How far is the storage facility away from the proposed machine location? \_\_\_\_\_

Do you need a booster fan system to convey the material to storage? Yes / No

## Electricity Supply

Please can you verify the following

Is 3 Phase Electricity available? Yes / No

Voltage \_\_\_\_\_V

Frequency \_\_\_\_\_Hz

Available kVA if known

## Power requirement for Rotor, Drum and Conveyor Motor Drives

Please can you verify that you can obtain this rating in Power Supply?:

Rotor Power (kW)	Processing Rate w/ 50mm screen (Tonnes/Hour)	Energy consumption (kW-Hour)	Power Requirement @ 3phase 400 – 480v (including rotor, drum and conveyors)
55	2.75	35-45	125A (with overcurrent protection)
45	2.5	20-30	125A (with overcurrent protection)

## Power requirement for Booster Fan Motor Drive

Please can you verify that you can obtain this rating in Power Supply, in addition to the above requirement?:

Booster Power (kW)	Power Requirement @ 3phase 400 – 480v
11	32A (with overcurrent protection)

Booster fan motor drive is not standalone, it can only be used in conjunction with the EDS system.

## Total power requirement for machine in different configurations

Configuration	Power Requirement @ 3phase 400 – 480v
55kW Rotor & Up to 3 Conveyors	125A (with overcurrent protection)
45kW Rotor & Up to 3 Conveyors	125A (with overcurrent protection)
55kW Rotor & Up to 3 Conveyors & Booster Fan	125A (with overcurrent protection) & 32A (with overcurrent protection)
45kW Rotor & Up to 3 Conveyors & Booster Fan	125A (with overcurrent protection) & 32A (with overcurrent protection)

Both control cabinets require overcurrent protection on the supply, equal or lesser than the power requirement. Note: When working at maximum duty, the entire of the required power can be drawn. Running a machine on a lower power supply than specified above, may require the user to sacrifice performance to prevent nuisance tripping of the supply's current protection system.

## Support

What language do the operators using the machine speak? \_\_\_\_\_

Is a 3/4G mobile phone network available for remote connection to the system Yes / No

Is there wifi/wired internet connection available for remote connection to the system Yes / No