STEER

Co-rotating Twin screw extruder Enquiry Form

Please tell us about your company details

Name of the client: Ningbo Licheng

Building No: _____ Street: _____

City/Town: Yuyao State: Ningbo Pin code:_____

Telephone: _____

Email: _____

Website: _____

Site Information

Ambient temperature at site: - Min 5 deg C Max 35 deg C

Altitude: - 50 Meters above sea level

Relative humidity at site: - Min 10 % Max 80 %

Power voltage/Hz: - 380 Voltage 50 Hz

3 Phase, 1 neutral: - ◉ Yes ○ No

Cooling water available: - ◉ Yes ○ No

Raw water available: - ◉ Yes ○ No

Pneumatic air available: - ◉ Yes ○ No

Place of machine installation: - ○ Hazardous ◉ Non hazardous

Please specify IP protection required: - ◉ Standard IP55 ○ Special IP___

___Main Motor ___Lube oil pump ___Small motors ___Junction box

___Heaters and Thermocouple ___PLC panel ___Drive panel

Scope of supply and work

■ Only extruder

☐ Any addition please select below,

Extruder supplier scope:

☐ Mezzanine floor ☐ Refill hoppers ☐ Conveying Gravimetric feeder

☐ Volumetric feeder ☐ Screen changer ☐ Melt pump ☐ Classifier

☐ Water bath ☐ Air knife Pelletizer ☐ Under water pelletizer

☐ FG storage and conveying ☐ 25Kg/Jumbo bag packing and sealing

Extruder supplier work: -

☐ Complete plant engineering ☐ Cable supply, laying and termination

☐ Upstream and downstream equipment supervision work

☐ Utility piping supply and connection ☐ De-dusting system and ducting work

Note: - Manpower and material handling resources need to be arranged by customer.

Application details

Basic recipe details: :

PPA compounding

End Application details:

☐Industrial application ■Home appliance ☐Electrical and electronics

☐Automotive ☐Housing and construction ■Packaging ☐Specialty

End product usage:

■ Extrusion ■Molding

End product form:

■ Granules ■ Sheet

End product testing method:

☐ ASTM ■ISO ☐Will be provided before contract

Bench mark available:

☐ Yes ☐No ☐Will be provided before contract

If yes, please specify:

____MFI ____Impact ____Tensile ____Flexural ____ Flammability ☐Will be provided before contract

If any other, please specify:

_____

Lab trial required:

■ Yes ☐No

If yes, please specify location for the lab trial:

☐STEER India ☐ STEER Japan ■STEER china ☐STEER America

Willing to send sample along with MSDS to specified location:

■Yes ☐No

Raw material details

Formulation-1

Sl	Raw material Name	Bulk density gram/cc	Physical form(Flakes/granules/powder/liquid)	Size in mm/micron/ Cps	Feed rate %
1	PA 10T		POWDER		44.5%
2	Phosphorus nitrogen flame retardant		POWDER		10%
3	Chopped GF				45%
4	additive and carbon black		POWDER		0.5%
5					
6					
7					

Formulation-2

Sl	Raw material Name	Bulk density gram/cc	Physical form(Flakes/granules/powder/liquid)	Size in mm/micron/ Cps	Feed rate %
1					
2					
3					
4					
5					
6					
7					

Raw material details

Formulation-3

Sl	Raw material Name	Bulk density gram/cc	Physical form(Flakes/granules/powder/liquid)	Size in mm/micron/ Cps	Feed rate %
1					
2					
3					
4					
5					
6					
7					

Raw material storage: ☐Bulk silo ☐Inside warehouse

Type of screening required: ☐Magnetic separator ☐Metal separator

Extruder details

Extruder specification required from: ■STEER ☐Customer

CustomerIf customer, please specify as below:

Platform:☐ Omega (Do/Di 1.71) ■ Mega (Do/Di 1.55) ☐Alpha(Do/Di1.49)

Type of process: ☐ Premix ■ Split feed

Expected throughput: _____kg/hr

Screw diameter: 50 _____mm

Screw speed: 600 _____rpm

Motor: 132 _____kW

Motor type: ☐ Water cooled ☐ Air cooled ☐Synchronous servo motor

Nominal torque: Top _____Nm/shaft

Specific torque: Top _____Nm/cm3

Gearbox make preferred: ☐ PIV ☐Zambello ☐Eisenbeiss ■STEER

Note: - Gearbox cooling by default on right side look from die end

Note: - STEER gearbox available up to 60 mm extruders

No of side feeder required: -

☐ 1 ■ 2 ☐ 3 if more please specify _____

Preferred L/D: - 52 _____

Type of barrels: - ☐4D ☐ 6D

Maximum barrel temperature: - 400 _____ deg C

Barrel, Element and Shaft MOC preference: ■ STEER ☐ Customer specified

If customer specified please provide below details,

Processing zone details,

Barrel Length*															
Barrel Type**															
Barrel preffered MOC***	CR15														
Element Preffered MOC***	CR4M														
Shaft MOC***															

* 4D or 6D length

** **1**-Intake, **2**-Closed, **3**-Side feed, **4**-ATM Vent, **5**-Vaccum Vent , **6**-Liquid injection

*** Customer to specify required MOC

Extruder details

Drive and PLC panel cooling type:- ☐ Fan cooled ☐ Air Condition

Cable entry to Drive and PLC panel:– ☐ Top ☐ Bottom

Cable exit from Drive and PLC panel:- ☐ Top ☐ Bottom

Note: - Cable exit will be from the side of the panel for PLC panel supplied with plug and play type cables

Electrical STD preference if any please specify:

_____

_____

Preferred operating interface: -

☐Basic push button type ■ HMI type ☐ Industrial PC type

Operating side when viewed from Die end ◯ Right side ◯ Left side

TCU position when viewed from Die end ◯ Right side ◯ Left side

Vacuum system when viewed from Die end ◯ Right side ◯ Left side

Side feeder when viewed from Die end ◯ Right side ◯ Left side

Please specify/attach additional information in case of customization required :

1. side feeder, spare shaft with elements, vacuum stuffer quoted as optional

2. SCG may source side feeder locally if competitors give too low price

Other details

Extruder maintenance resource:

■ In house ☐ External/contract ☐ NA

Extruder maintenance resource:

■ Unskilled ☐ Semi-skilled ☐ Skilled ☐ NA

Type of training required from Extruder supplier:

■ TSE operation ■ TSE maintenance ■ Application processing ☐ NA

Color coding:

■ Standard, Machine base, motor and Panels:RAL7035, Gearbox and feeders: RAL5009, All types of Gaurds: RAL1003,

☐ Non Standard, please specify details_____

Extruder Manuals:

☐ Standard English ■ Other language, please specify Chinese_____

Project details

Expected finalization time line: _____ Weeks

Expected delivery time: _____ Weeks