

Engineering Plastic Recycle System

# Raptor22ST2

## Like a Virgin

The regrind plastic scrap becomes valuable material again

## Minimize Heat Resident Time

By 22 mm/LD 18 SL screw,  
no compression zone screw

## Full Electric Drive Extruder and Pelletizer

Touch panel and electric servo motor drive

## Easy Operation

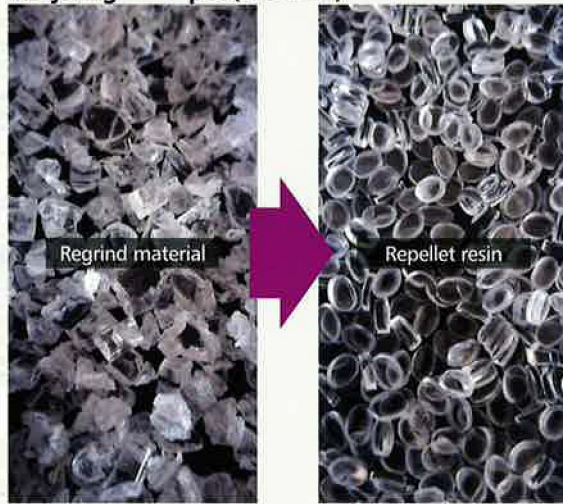
20-process memory and sequential process control by PLC



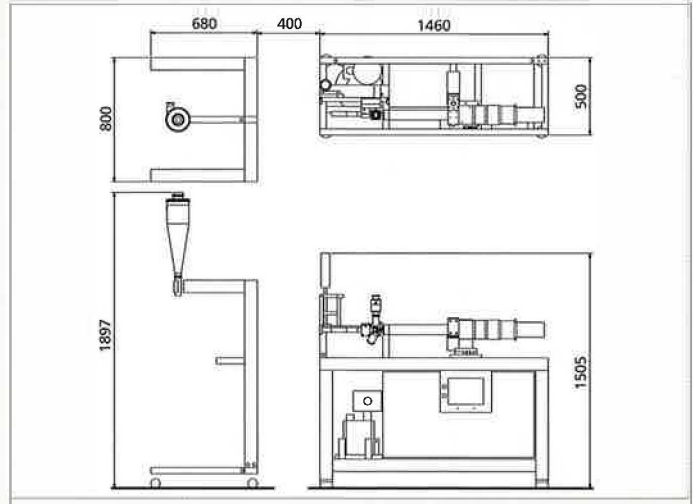
## Short Tail System

No water pool for cooling  
ST2 = Air cool/hot strand cutter  
50 mm short tail, tubular cooling chamber

## Recycling example (ZEONEX)



## Outer dimensions



## Main specifications

### Extruder unit

Main screw	mm	22	SL Screw
Screw L/D		18	No compression zone screw
Loader			GS Loader (Optimized amount supply system)
Main motor	kW	1.5	Servo motor Max 272 rpm
Loader motor	kW	0.03	Servo motor Max 300 rpm
Heater zone		4	
Heater capacity	kW	2.115	Nozzle/zone 4 : 0.165kw, Zone 3 : 0.95kw, Zone 2 and 1 : 0.5kw
Process capacity	kg/hr	4 - 6	Reference value

### Cutter unit

Cutter Blade diameter	mm	29	1 strand type or 2 strand type
Number of the blade	p cs.	2	
Cutter motor	kW	0.1	Servo motor Max 7,500 rpm

### Cooling unit

Cooling system			ST 50 mm long/non-contact/aluminum body/tubular cooling chamber
Cooling type			Air cooling/hot strand type
Water mist pump	set	1	Welco tube pump model WPM1

### Controller and monitoring system

Controller			Outer dimensions : 640 x 480 mm 8-inch color LCD touch panel bit PLC
Extruder monitor			Monitoring of the strand extrusion from nozzle
Cold starting monitor			Screw rotation enabled only after the target temperature has been attained for a predetermined length of time
Barrel position monitor			Screw rotation disabled during barrel rotation
Cutter unit position monitor			Monitoring of the position of cutter unit
Cutter unit lock monitor			Cutter unit mounted and locked confirmation
Heater monitor			Heater temperature monitoring against high/low limits
Motor monitor			Monitoring for motor overload

### Dimensions, weight and utilities

Outer dimensions (WxDxH)	mm	1,970 x 500 x 1,500	Upper surface of the hopper throat : H1,090 mm Pellet exhaust port : H1,232 mm or lower (Adjustable)
Packing dimensions (WxDxH)	mm	2,000 x 850 x 1,500	
Net weight	kg	200	
Gross weight	kg	280	
Power			AC200V / 230V / 460v 3-phase
Compressed air			For cooling mist generator and strand connection Quantity used: 10 - 20 L/min
Distilled water			For cooling mist Quantity used: 400 ml/hr as a reference

### Dryer and supply system

Dryer			Matsui dehumidification dryer MJ3 / MJ6 / PMD
Dryer tank capacity	L	90	Regrind material approx. 40 kg
Loader			Equipped with 2-way loader
Hopper (Exclusively designed for Raptor22)			Stainless steel cyclone hopper, as the picture on Raptor22LT2 catalog shows
Outer dimensions (WxDxH)	mm	1,158 x 639 x 2,071	
Packing dimensions (WxDxH)	mm	1,600 x 900 x 1,800	Crate depends on model
Net weight	kg	300	
Gross weight	kg	350	
Power supply			AC200V / 230V / 460V 3-phase

Ratings and specifications are subject to change without notice for improvement purposes.

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