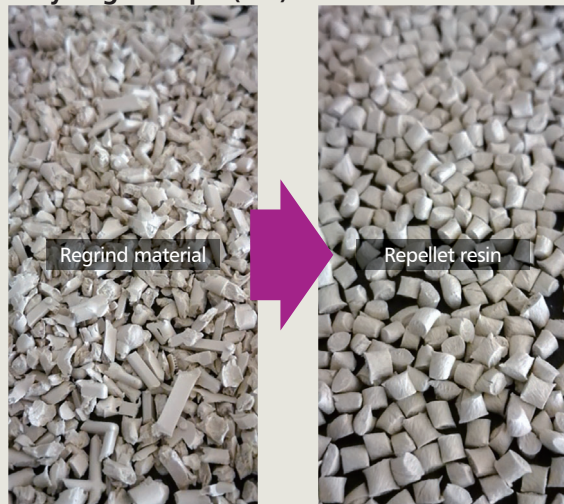
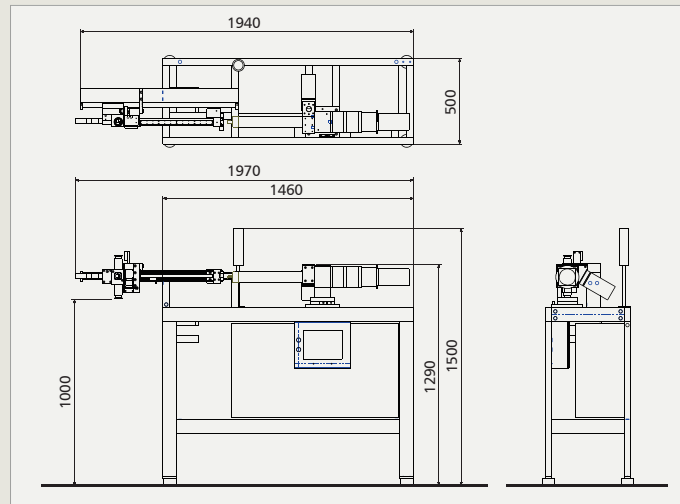


## Recycling example (LCP)



## Outer dimensions



## Main specifications

<b>Extruder unit</b>			
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
<b>Cutter unit</b>			
Cutter Blade diameter	mm	29	1 strand type or 2 strand type
Number of the blade	pcs.	2	
Cutter motor	kW	0.1	Servo motor Max 7,500 rpm
<b>Cooling unit</b>			
Cooling system			LT 500 mm long/non-contact/aluminum body/tubular cooling chamber
Cooling type			Air cooling/cold strand type
Water mist pump	set	1	Welco tube pump model WPM1
<b>Controller and monitoring system</b>			
Controller			Outer dimension : 640 x 480 mm 8-inch color LCD touch panel 32bit PLC
Extruder monitor			Monitoring of the strand extrusion from nozzle
Strand monitor			Monitoring of strand feed to the cutter unit
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
<b>Dimensions, weight and utilities</b>			
Outer dimensions (WxDxH)	mm	1,970 x 500 x 1,500	Upper surface of the hopper throat : H1,290 mm Pellet exhaust port : H1,000 mm
Packing dimensions (WxDxH)	mm	2,200 x 900 x 1,800	
Net weight	kg	210	
Gross weight	kg	300	
Power			AC200V 3-phase/4-line 40A
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
<b>Dryer and supply system</b>			
Dryer			Matsui dehumidification dryer MJ3-50A
Dryer tank capacity	L	90	Regrind material approx. 40 kg
Loader			Equipped with 2-way loader
Hopper (Exclusively designed for Raptor22)			Stainless steel cyclon hopper, as the picture shows
Outer dimensions (WxDxH)	mm	1,158 x 639 x 2,071	
Packing dimensions (WxDxH)	mm	1,600 x 900 x 1,800	Wooden box
Net weight	kg	300	
Gross weight	kg	350	
Power supply			AC200V 3-phase/4-line 40A

Ratings and specifications are subject to change without notice for improvement purposes. The Raptor22 is made in HongKong, while the MJ3-50A is made in China.

## SPIRAL LOGIC LIMITED

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Engineering Plastic Recycle System by SPIRAL LOGIC

# Raptor22LT2



## Like a Virgin

The regrind plastic scrap becomes valuable material again

## Minimize Heat Resident Time

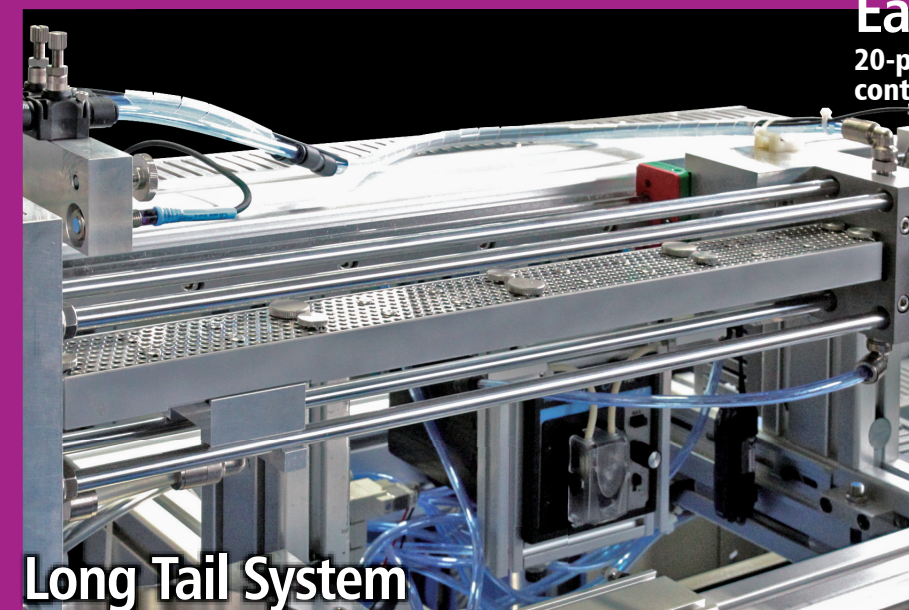
By 22 mm/LD 18 SL screw, no compression zone screw

## Full Electric Drive Extruder and Pelletizer

Touch panel and electric servo motor drive

## Easy Operation

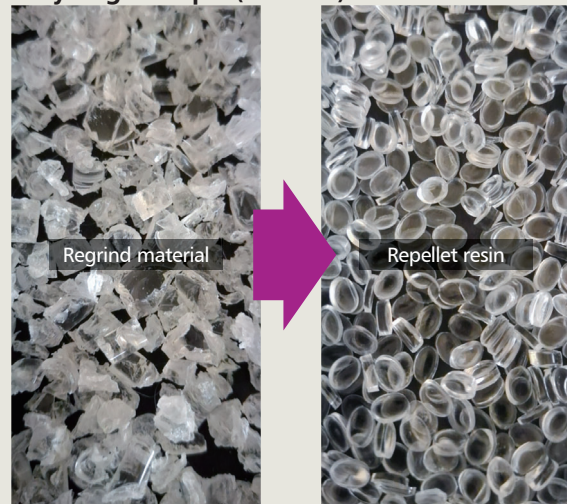
20-process memory and sequential process control by PLC



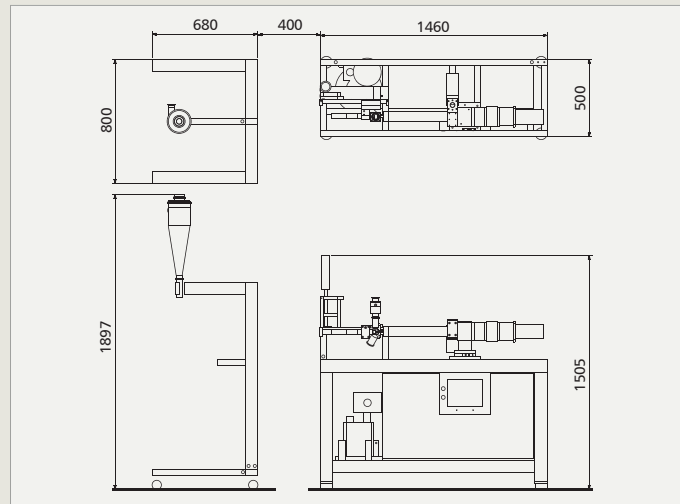
## Long Tail System

No water pool for cooling  
 LT2 = Air cool/cold strand cutter  
 500 mm long 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	pcs.	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 dimension : 640 x 480 mm 8-inch color LCD touch panel 32bit 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 3-phase/4-line 40A
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 MJ3-50A
Dryer tank capacity	L	90	Regrind material approx. 40 kg
Loader			Equipped with 2-way loader
Hopper (Exclusively designed for Raptor22)			Stainless steel cyclon 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	Wooden box
Net weight	kg	300	
Gross weight	kg	350	
Power supply			AC200V 3-phase/4-line 40A

Ratings and specifications are subject to change without notice for improvement purposes. The Raptor22 is made in HongKong, while the MJ3-50A is made in China.

## SPIRAL LOGIC LIMITED

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Engineering Plastic Recycle System by SPIRAL LOGIC

# Raptor22ST2

## Like a Virgin

The regrind plastic scrap becomes valuable material again

## Minimize Heat Resident Time

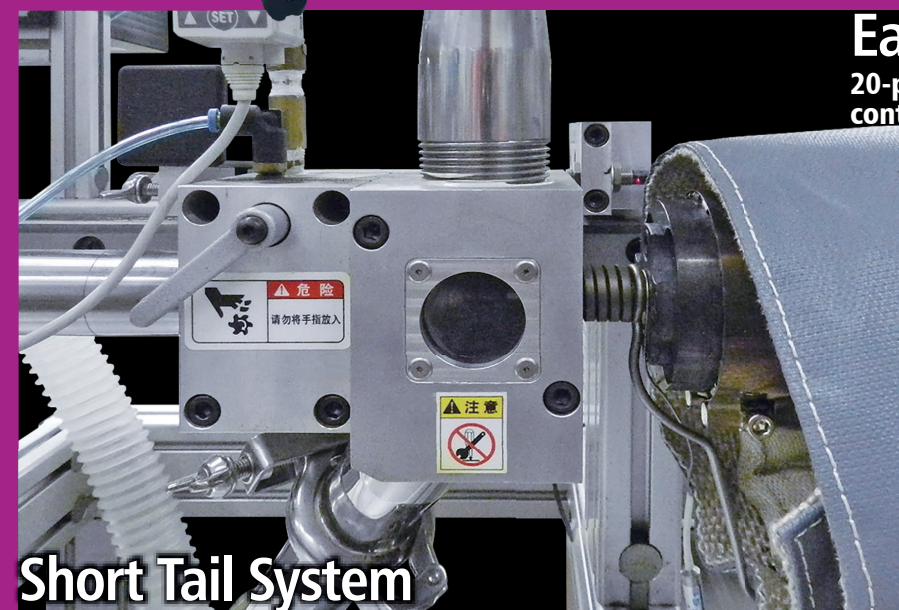
By 22 mm/LD 18 SL screw, no compression zone screw

## 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