

**A "Must" for Precision Molding  
Regrind Pelletized Right Away**



# **MSP-EX REPELLETIZER**

## **"PERFECTION"**

Improvement of Quality of Molded Parts

Molding Shop Environment  
and Efficiency Greatly Improved



( Patent Pending  
Design Registration Pending )

MEISEI  
KINZOKU  
MANUFACTURING  
CO.,LTD.



PERFECTION, repelletizer of sprue runner regrind, indispensable partner of the injection molding machines

## → REPELLETIZER

This extrusion machine forms strand-shaped resin of uniform diameter from the sprue runner regrind generated in the molding process and then cuts the strand into the same shape of pellets as virgin material.

### Feature of FRP-V25

The unit is extremely compact with the dimension of L 630 × W 350 × H 530 mm.

This unit can be placed by the injection molding machine and can be linked to it as a sprue runner recycle system. Thus it prevents any foreign materials from being mingled in.



FRP-V25 with hopper  
(The hopper is optional)



FRP-V25 on the stand (Stand is optional)  
(The glass tube hopper is optional)

- High quality precision products are ensured by placing the unit right next to the injection molding machine to prevent any foreign materials from being mixed in.
- Compact design on the basis of pursuit of best function and elimination of waste.

# “PERFECTION”

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PATENT PEND.  
DESIGN PEND.

## Higher Throughput Model Perfection

### Feature of FRP-V32

This unit is also very compact. L 1,000 × W 450 × H 980 mm.

It recycles pellets from the sprue runner regrind and returns to the hopper of the injection molding machine.



FRP-V32 model

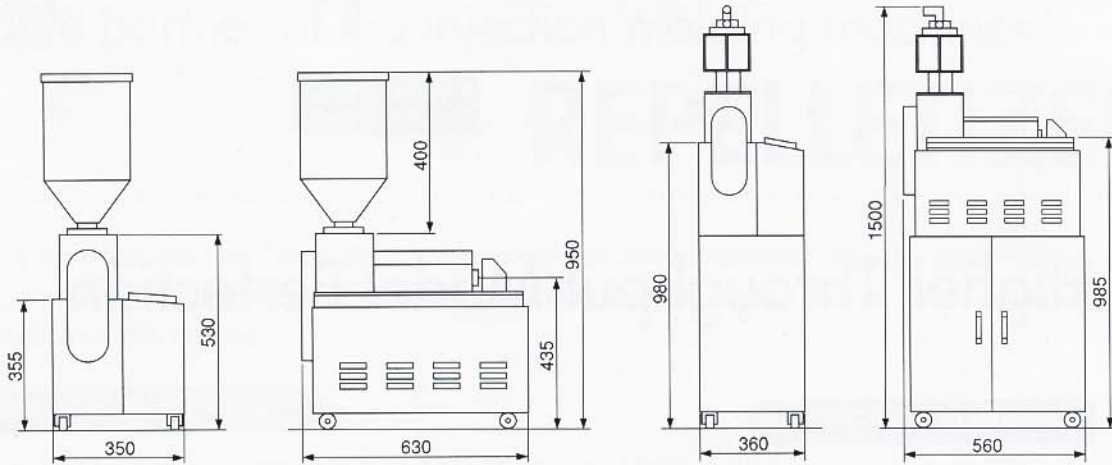
- Touch Screen controller makes operation and troubleshooting easy.
- Output of pellets : 0.5kg – 3kg for V25  
5kg – 10kg for V32

The actual output may differ depending on type of resin, operation conditions etc.

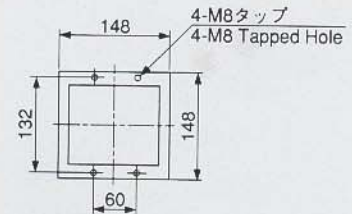
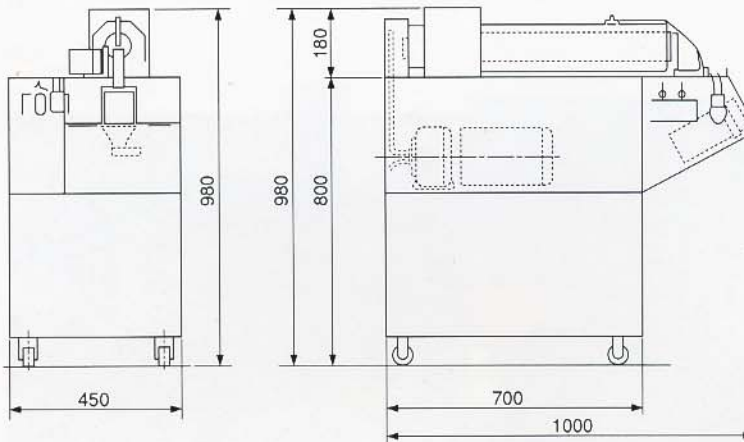
- The unit has been developed and works well for most resins.
- Air cooling system makes material appraisal (Tensile strength, Stretch, Flexural strength, Flexural elasticity, Melt flow index) for recycled pellets better than water cooling.
- Equipment cost easily justified by material savings.



**Dimensional Specification of FRP-V25**



**Dimensional Specification of FRP-V32**



ホッパー取付方法  
V25型・V32型共用

Hopper Installing Dimensions  
For Model V25 and V32

Plasticizing Assembly			Cutter Assembly		
Model	FRP-V25	FRP-V32	Model	FRP-V25	FRP-V32
Parameter			Parameter		
Screw	φ25 mm L/D=20	φ32 mm L/D	Nozzle aperture	φ2.5 mm (Standard)	φ2.5 mm (Standard)
Extrusion output	0.5 - 3kg	5 - 10kg	Cutter	φ50 × 2 blade	φ60 × 4 or 6 blade
Motor capacity	AC200V/0.75kW	AC200V/1.5kW	Cutter top	Flat blade	Flat blade
Motor control	V.V.V.F	V.V.V.F	Motor capacity	AC200V/25W	AC200V/60W
Heater capacity	AC200V/1.6kW	AC200V/3.23kW	Motor control	Phase control	Phase control
Temperature control	P.I.D. System	P.I.D. System	Roller motor		AC200V/6W
Temp. control points	3-point control	4-point control	Pellet length	1.5-5.0 mm	1.5-5.0 mm
Cold start prevention	+/- 15°C/30min.	+/- 15°C/30min.	Air consumption	600L/min. (6.0kg/cm <sup>2</sup> )	600L/min. (6.0kg/cm <sup>2</sup> )
Start signal	Buzzer sounds five times				

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