

## SINGLE/MULTI-LAYER SHEET MANUFACTURING LINE

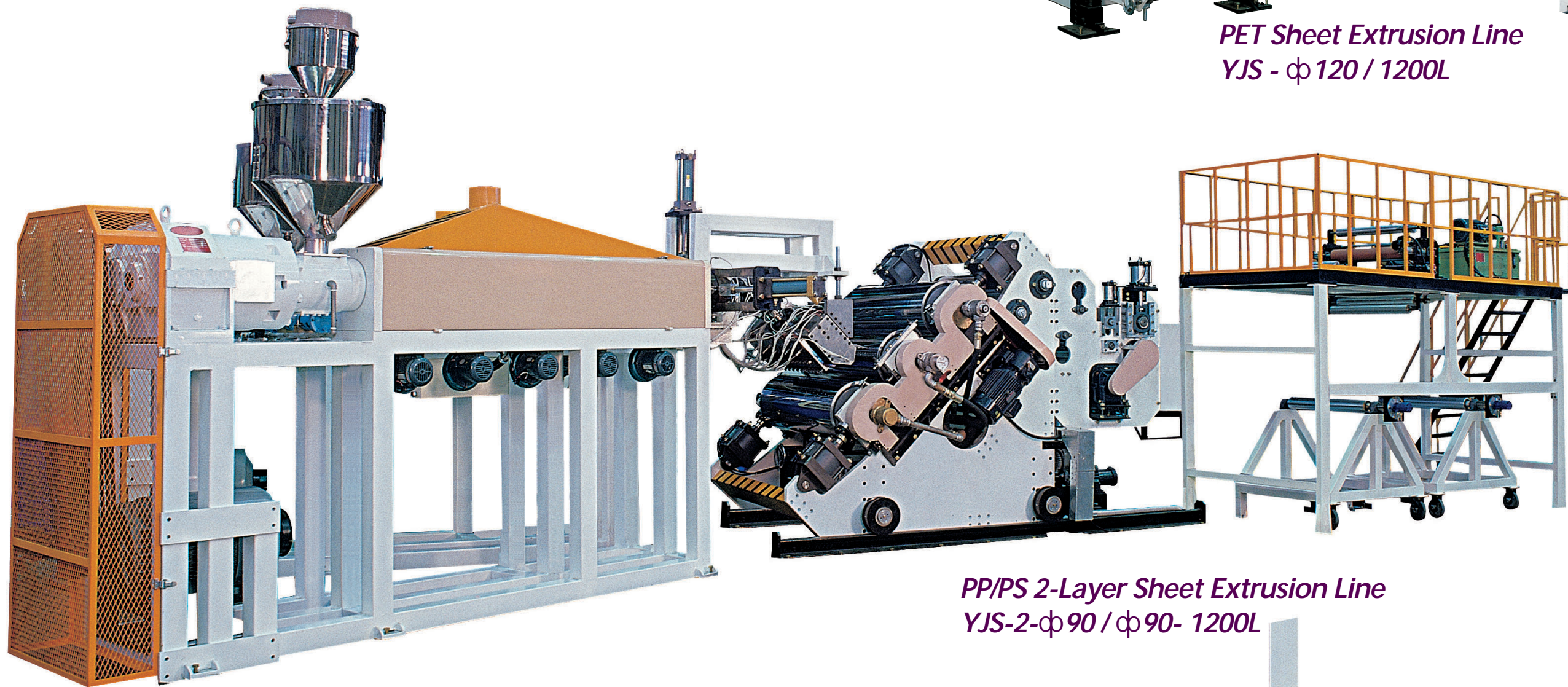
YOOJIN have supplied a number of plastic sheets manufacturing line for household, electrical appliances, interior of automobiles, building material and food containers. The modular design of the extrusion lines and the wide range of downstream equipment allow to supply tailor-made systems for each product made from T-die.

YOOJIN supplies modular plastic extrusion lines consisting of;

- Single and Twin screw extruders
- Melt pump
- Co-extrusion feed-block
- T-die for Mono and Multi-Layer sheet
- Polishing units
- Haul off units
- Cutting units (Cross and longitudinal type)
- Inline feeding unit into hopper on extruder
- Applicable Resin;  
PE, PP, HIPS, PMMA, ABS, GPS and PET for Single extruder.  
U-PVC, Soft PVC for twin screws extruder.

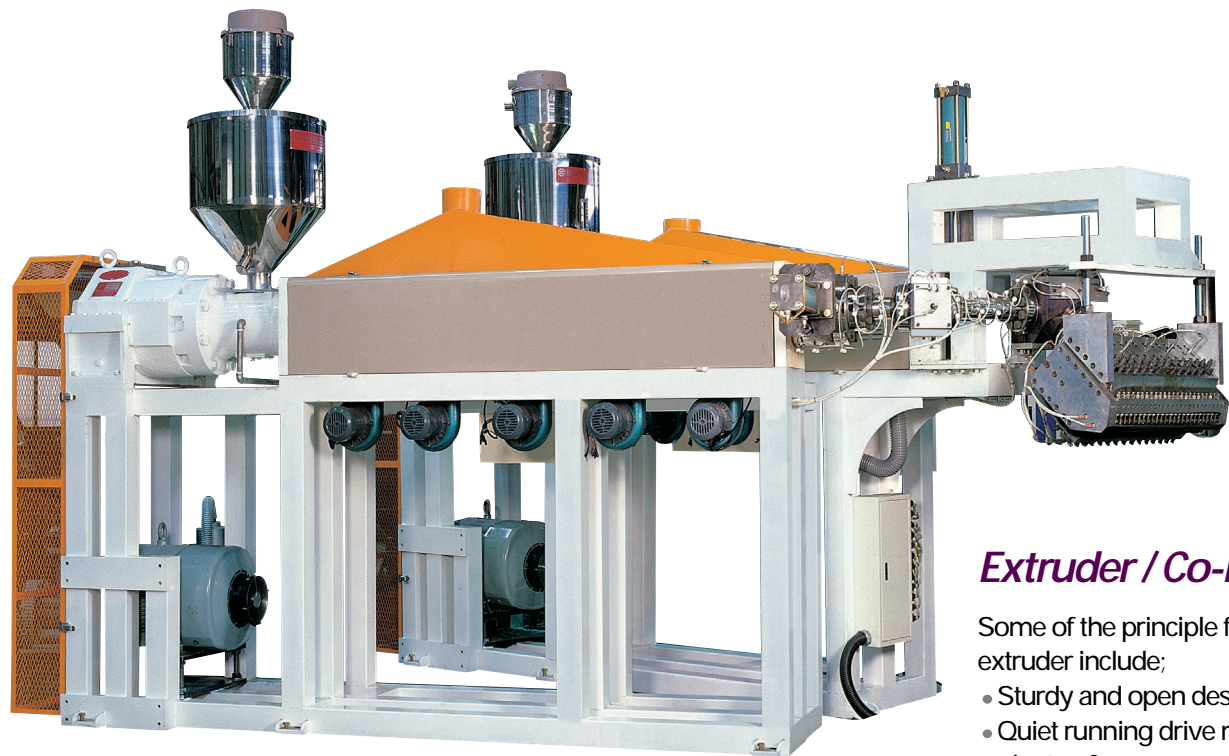


*PET Sheet Extrusion Line  
YJS -  $\phi$ 120 / 1200L*



*PP/PS 2-Layer Sheet Extrusion Line  
YJS-2- $\phi$ 90 /  $\phi$ 90- 1200L*

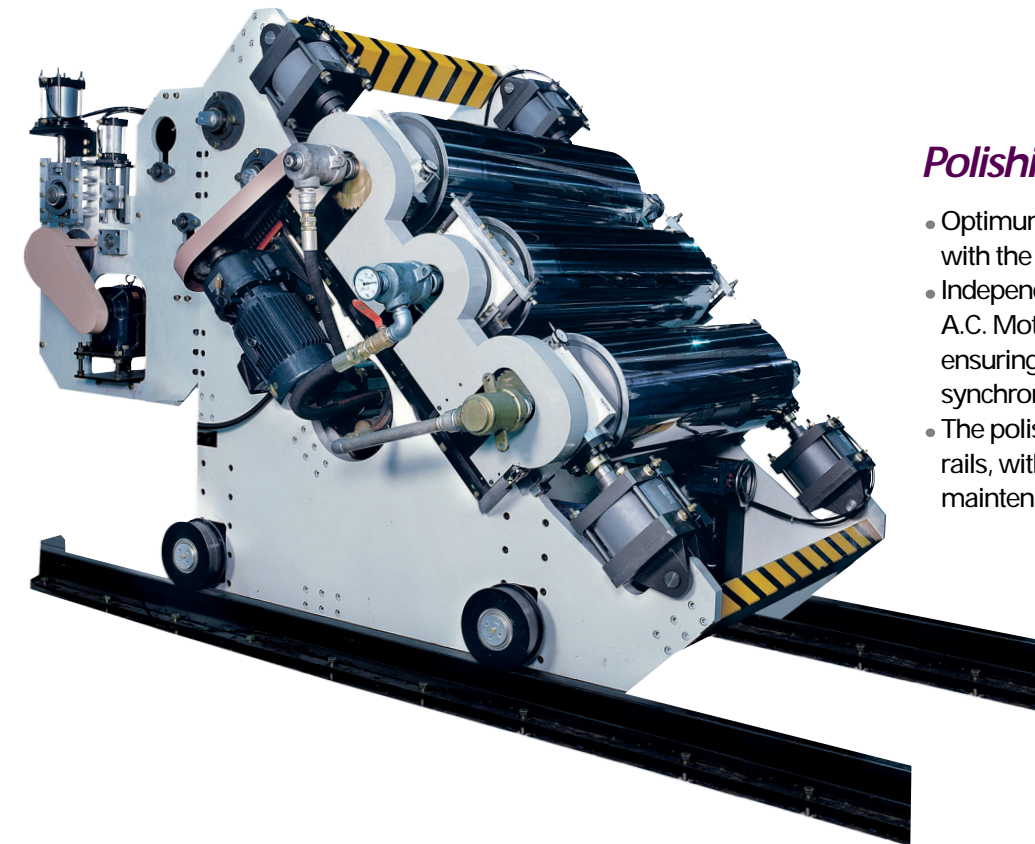




### *Extruder / Co-Extruder*

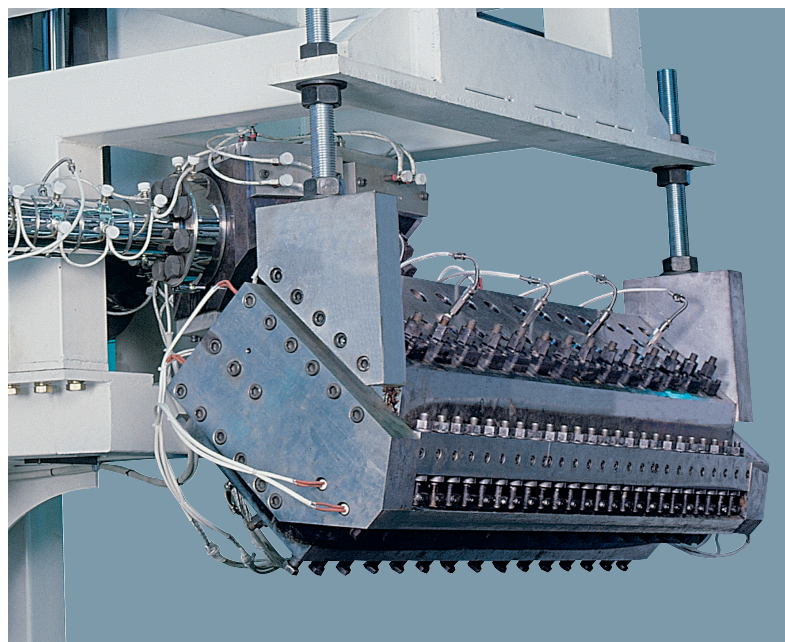
Some of the principle features on extruder include;

- Sturdy and open design
- Quiet running drive mechanism with plenty of reserve power.
- High throughput, coupled with gentle melt mixing and uniform conveyance
- Long-term quality.
- YOOJIN supply extruder having from 35mm to 180mm screw.



### *Polishing Roll*

- Optimum roll diameter can be adopted with the range from 250 to 600mm.
- Independent drive for each roll through A.C. Motors controlled by inverter, ensuring high precision speed and fully synchronized operation.
- The polishing roll units are installed on rails, with motor driven traverse for the maintenance and operation.



### *T-Die*

- T-Die for sheet are available in a width range from 300mm to 2000mm.
- T-Dies are manufactured from thermally treated, special steel.
- The flow channels are mirror-polished and thick chrome-plated.
- The T-Dies are equipped with flexible lip to adjust the sheets thickness.
- T-Die for co-extruded sheet with separate flow channels



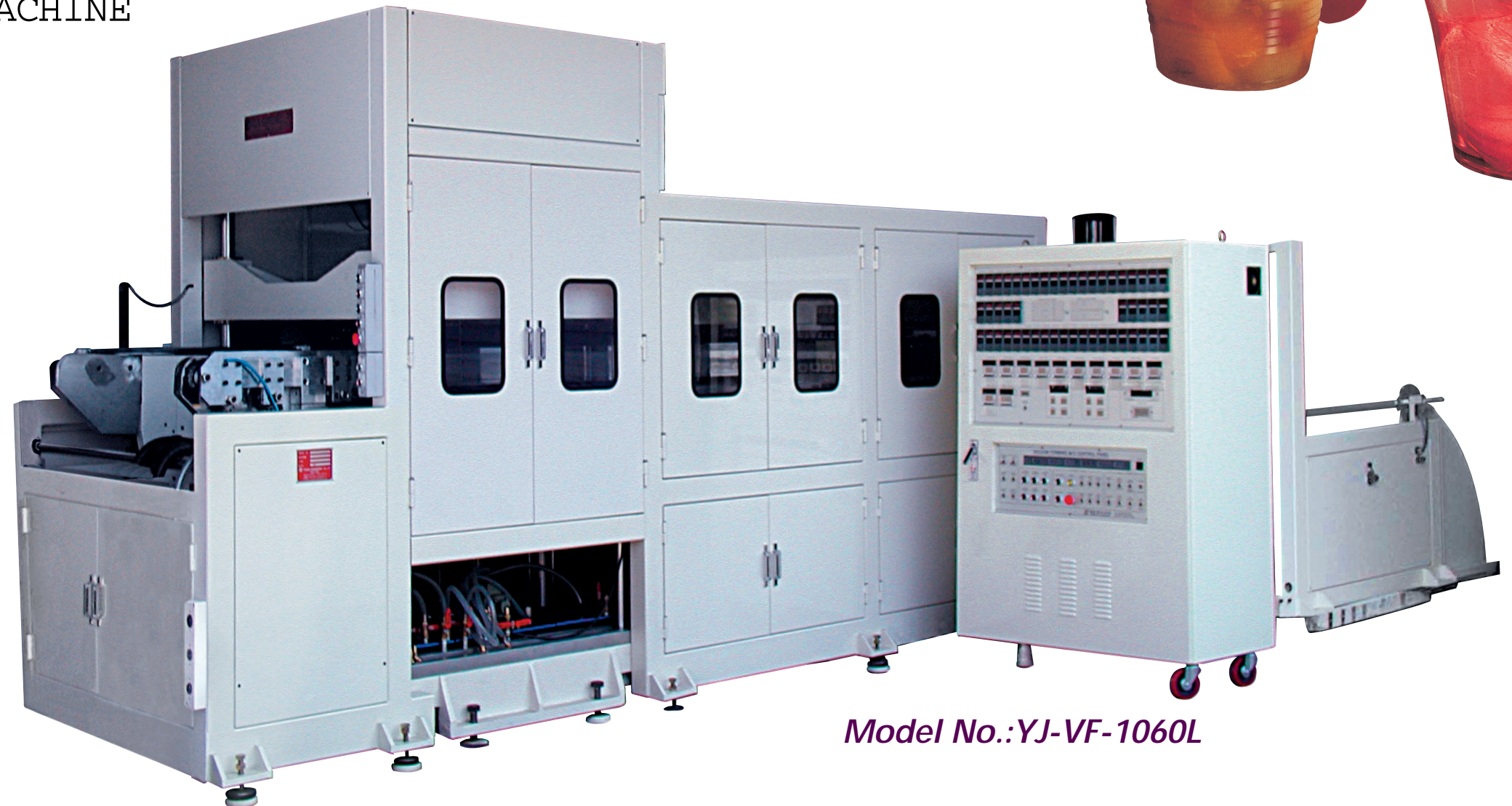
### *Winder*

- The choice of the suitable winding system is dictated by plastic sheet to be produced and the sheet thickness.
- Two shaft turret winder and Face contact winder for normal and flexible sheet. Reel diam max 800mm.
- Two-shaft cantilever winders for multiple sheet, Reel diam max 1200mm.
- Hydraulic winder for big reels up to 1500mm



## VACUUM FORMING & TRIMMING MACHINE

Our behavior is to serve you as a specialist of vacuum thermoforming field. We have long experienced experts on the vacuum forming technical service section and it enables us to be your technical servant for our customers in the world. Also we are trying at any time to develop the V-F systems in terms of convenience and efficiency for our customers. Please call us at any time at any place. We are very close up to you.



*Model No.:YJ-VF-1060L*



### **Auto. Vacuum Forming Machine** *Model No.:YJ-VF-800L*

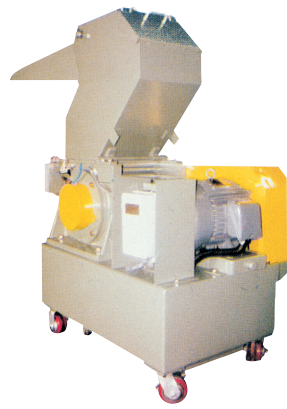
- Forming Area : 800mm × 900mm
- Capacity : 1-20 sec/cycle
- Heating : IR Ceramic Heaters, 84kw
- Electric Power : 220/380 Volt, 3 Phase, 50/60Hz, 110Kw
- Platen Driving : Hydraulic Driving System
- Vacuum : Air Cooled Oil Circulated Vane Type
- C.W. Circulation : 100 LTR/min 10~20°C
- Control System : Programmable Logic Controller
- Sheet Transfer : Chain with Pin by AC Servo System
- Height of Product : 150mm
- Material : ROLL OF PP, PS, PVC, A-PET, ABS
- Temp. Control : PID Digital Control System



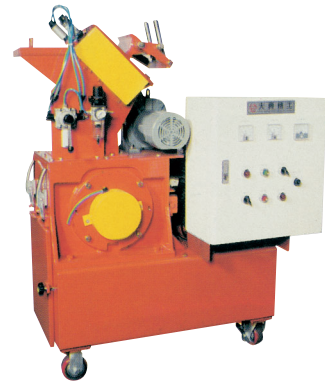
### **Auto. Trimming Machine** *Model No.:YJ-P-1060L*

- Cutting Area : 1060mm × 320mm
- Capacity : 1-20 sec/cycle
- Driving : 15HP AC Servo Driving System
- Driving Equalizer : Air Cylinder with Electric Control
- Table Adjustment : Automatic Stroke Control System
- Control System : Programmable Logic Controller
- Height of Product : 150mm Max
- Material : Sheet of PP, PS, PVC, A-PET, ABS, EPS
- Sheet Transfer : 1 HP AC Servo System
- Lubrication : Forced Lubrication
- Electric Power : 220/380 Volt, 3 Phase, 50/60Hz, 12Kw





*high speed type crusher for general use*



*Crusher for trimmed-out sheet plate*



*Water chiller*



*Sheet crusher*

#### ■ Main Products

- Flat yarn manufacturing lines.
- Circular loom for woven sacks and sheets.
- Extrusion laminating machines.
- Compounding machine for PE, PP, Nylon, Polyester, PVC resin.
- PP, LD & HDPE, EVA blown film making machines.
- PP, PE Casting(CPP, CPE) film manufacturing machines.
- PVC & HDPE pipe & hose manufacturing machines.
- Corrugating Pipe manufacturing machines. (spiral, ring type)
- PP, HDPE, Nylon monofilament making machines.
- PP band manufacturing machines.
- Plastic sheet manufacturing machine. (PVC, PP, PS, ABS)
- Super henschel mixer & cooling mixer.
- 3-Layer blown film manufacturing machine.
- Waste recycling machine for · PP, LD & HDPE, PS, ABS.
- Other Plastic machinery.

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## S H E E T M A N U F A C T U R I N G & V A C U U M F O R M I N G M A C H I N E

