

## MUTILAYER CO-EXTRUSION BLOWN FILM LINE

### Features of Machine:

Co-extrusion blown film is combined two or more plastics during extrusion to make multi-layer blown film rubbing or sheeting which provides optimum properties and cost. As the packaging requirements for specific properties can not be met with single polymers extruded single polymer or blends of different polymers extruded in a monolayer film, co-extrusion is the best way to produce the film you require for your specific needs.

### Standard Components:

- Grooved feed extruder
- Three axes transmissible type gear box with SKF bearings
- Melt filter
- AC main motor with inverter
- Center-fed spiral type die
- Single lip or dual lip air ring
- Control panel
- Take-up unit
- Surface winding type winder with auto film cut and change the reel

### Options:

- Auto loader
- Corona treator
- Rotary die device or oscillating take-up unit
- Embossing roller
- Tension Control for Winder
- Pressure gauge
- Gravimetric Blender
- Internal bubble cooling device
- Auto. Gauging control system



MODEL HSRT-TR65-1500

MODEL HSRT-TR65-1600

### SPECIFICATIONS

| MODEL NO.                                                                      |                               | HSRT-TR55                                                        | HSRT-TR55/65                   | HSRT-TR65/80                                    |
|--------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------|--------------------------------|-------------------------------------------------|
| PRODUCTION                                                                     |                               | CO-EXTRUSION MULTIPLE FILM                                       |                                |                                                 |
| THICKNESS(mm)                                                                  |                               | 0.025~0.25(m/m)                                                  |                                |                                                 |
| MAX. LAYFLAT WIDTH(mm)                                                         |                               | 1000m/m                                                          | 1350m/m                        | 1800m/m                                         |
| MAX. OUTPUT(DEPEND ON SIZE OF DIE, WORKING CONDITIONS AND MATERIAL PROPERTIES) |                               | 120kg/hr.<br>↓<br>150kg/hr.                                      | 150kg/hr.<br>↓<br>200kg/hr.    | 180kg/hr.<br>↓<br>250kg/hr.                     |
| EXTRUDER                                                                       | GEAR                          | 3 ALEX TRANSMISSIBLE TYPE                                        |                                |                                                 |
|                                                                                | SCREW DIA.                    | 55m/m                                                            | 65m/mx1+55m/mx2                | 80m/mx1+65m/mx2                                 |
|                                                                                | L/D                           | 28/1                                                             |                                |                                                 |
|                                                                                | SCREW SPEED                   | 0~100 r.p.m.                                                     |                                |                                                 |
|                                                                                | MATERIAL OF SCREW             | MADE FROM SACM-645 ALLOY STEEL, HARDCHROMED PLATED AND NITRIDED. |                                |                                                 |
| TEMPERATURE CONTROL                                                            | MATERIAL OF BARREL            | MADE FROM SACM-645 ALLOY STEEL, POLISHED AND NITRIDED.           |                                |                                                 |
|                                                                                | TEMPERATURE CONTROL           | 2x3                                                              | 3x2+3x1                        | 3x2+4x1                                         |
| MAIN DRIVING MOTOR                                                             | MOTOR A.C.                    | 30HPx3                                                           | 30HPx2/50HPx1                  | 50HPx2/75HPx1                                   |
| DIE.                                                                           |                               | 250m/m                                                           | 300m/m                         | 400m/m                                          |
| AIR RING                                                                       |                               | 300m/m                                                           | 350m/m                         | 500m/m                                          |
| OSCILLATING TAKE-UNIT                                                          | DRIVING MOTOR                 | 1HP AC INVERTER. 0.2kg/M TORQUE MOTOR W/ REDUCER                 |                                | 2HP AC INVERTER 0.4kg/M TORQUE MOTOR W/ REDUCER |
|                                                                                | TAKE-UP SPEED                 | 0~80 M/min                                                       |                                |                                                 |
|                                                                                | NIP-ROLL FACE LENGHT          | 1200m/m                                                          | 1500m/m                        | 2000m/m                                         |
|                                                                                | TOTAL HEIGHT OF TAKE-UP UNIT  | 7000m/m                                                          | 8000m/m                        | 10000m/m                                        |
| WINDER                                                                         | TYPE                          | SINGLE OR BACK-TO-BACK TENSION WINDER                            |                                |                                                 |
|                                                                                | MAX. WINDING WEB WIDTH (max.) | 1000m/m                                                          | 1350m/m                        | 1800m/m                                         |
|                                                                                | WINDING MOTOR                 | 4.4kg/M TORQUE MOTOR W/REDUCER                                   | 4.5kg/M TORQUE MOTOR W/REDUCER | 4.5kg/M TORQUE MOTOR W/REDUCER                  |
|                                                                                | MAX. WINDING WEB DIA.         | 500m/m~1000m/m                                                   |                                |                                                 |
|                                                                                | WINDING SPEED                 | 0~80 M/min                                                       |                                |                                                 |
| CONTROL PANEL                                                                  |                               | ISOLATED TYPE WITH COMPLETE SET OF HIGH GRADE ELECTRICAL PARTS.  |                                |                                                 |

YE I RESERVES THE RIGHT TO CHANGE SPECIFICATIONS OR MATERIALS FOR IMPROVEMENT WITHOUT PRIOR NOTIFICATION.

### 本公司生產製造項目:

- PP/LLDPE/HDPE/LDPE 各式塑膠吹袋機
- 各式塑膠廢料再生機
- PVC管、平板、浪板機
- PP/HDPE 編織袋製造機
- PP/尼龍抽絲機
- 流涎式 PE/PP 膜製造機
- 壓克力/PS/ABS/PC/PVC/PP/PE 平板機
- 其它相關押出系列製造機
- 以上各項押出生產設備廠設計歸劃及製造

### OUR PRODUCTS:

- PP/LLDPE/HDPE/LDPE TUBULAR FILM BLOWN MACHINERY.
- ALL KINDS OF PLASTIC WASTE RECYCLING MACHINES.
- PVC PIPE/PROFILE, SHEET, CORRUGATED BOARD EXTRUSION LINES.
- PP/HDPE WOVEN SACK MAKING PLANTS.
- PP/NYLON YARN MAKING PLANTS.
- CASTING PE/PP FILM MAKING MACHINES.
- PMMA/PS/ABS/PC/PVC/PP/PE SHEETING MACHINE.
- OTHER KINDS OF EXTRUSION MACHINERY.
- ALL KINDS OF EXTRUSION TURN-KEY PLANTS.



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## MONO LAYER & MULTI LAYER CO-EXTRUSION BLOWN FILM LINE



YE I MACHINERY FACTORY CO., LTD.

## HIGH SPEED MONO LAYER BLOWN FILM LINE

### Features of Machine:

The design of this High Speed Film Blown Line is backed up by years of experience and continuous R & D. In addition to HDPE, this line is also capable of running LDPE & LLDPE by purchasing additional Dies and Air-Rings.

### Standard Components:

- Grooved feed extruder
- Three axes transmissible type gear box with SKF bearings
- Melt filter
- AC main motor with inverter
- Center-fed spiral type die
- Single lip or dual lip air ring
- Control panel
- Adjustable take-up unit
- Surface winding type winder with auto film cut and change the reel

### Options:

- Auto loader
- Corona treator
- Rotary die device or oscillating take-up unit
- Embossing roller
- Tension Control for Winder
- Pressure gauge
- Gravimetric Blender



MODEL HDAS-55-800-1



MODEL HDAS-65-1500-1



MODEL HDAS-65-1200-1



MODEL HSRT-65-1200-1



MODEL HSLL-100-2500-1

### SPECIFICATIONS

| MODEL NO.                                                                      | HDAS-45-650-1                                                    | HDAS-55-800-1                                                                                                    | HDAS-65-1200-1                                   | HDAS-80-1600-1                                   | HSLL-100-2000-1                                  |
|--------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| PRODUCTION                                                                     | HDPE/LLDPE/LLDPE - TUBULAR FILM                                  |                                                                                                                  |                                                  |                                                  |                                                  |
| THICKNESS(mm)                                                                  | HDPE:0.01~0.04(m/m) LDPE:0.02~0.20(m/m)                          |                                                                                                                  |                                                  |                                                  |                                                  |
| MAX. LAYFLAT WIDTH(mm)                                                         | 550m/m                                                           | 700m/m                                                                                                           | 1100m/m                                          | 1500m/m                                          | 1800m/m                                          |
| MAX. OUTPUT(DEPEND ON SIZE OF DIE, WORKING CONDITIONS AND MATERIAL PROPERTIES) | 45 kg/hr.                                                        | 80 kg/hr.                                                                                                        | 120 kg/hr.                                       | 160 kg/hr.                                       | 250 kg/hr.                                       |
| EXTRUDER                                                                       | GEAR                                                             | 3 ALEX TRANSMISSIBLE TYPE                                                                                        |                                                  |                                                  |                                                  |
|                                                                                | SCREW DIA.                                                       | 45m/m                                                                                                            | 55m/m                                            | 65m/m                                            | 80m/m                                            |
|                                                                                | L/D                                                              | 28/1                                                                                                             | 28/1                                             | 28/1                                             | 28/1                                             |
|                                                                                | SCREW SPEED                                                      | 0~130 r.p.m.                                                                                                     | 0~130 r.p.m.                                     | 0~130 r.p.m.                                     | 0~120 r.p.m.                                     |
| MATERIAL OF SCREW                                                              | MADE FROM SACM-645 ALLOY STEEL, HARDCHROMED PLATED AND NITRIDED. |                                                                                                                  |                                                  |                                                  |                                                  |
|                                                                                | MADE FROM SACM-645 ALLOY STEEL, POLISHED AND NITRIDED.           |                                                                                                                  |                                                  |                                                  |                                                  |
|                                                                                | HEATING CAPACITY                                                 | 5.6 KW                                                                                                           | 10 KW                                            | 13 KW                                            | 27 KW                                            |
|                                                                                | TEMPERATURE CONTROL                                              | 2                                                                                                                | 3                                                | 3                                                | 4                                                |
| BARREL COOLING                                                                 | 1HP FAN BLOWERx2 SETS                                            | 1HP FAN BLOWERx3 SETS                                                                                            | 1HP FAN BLOWERx3 SETS                            | 1HP FAN BLOWERx4 SETS                            | 1HP FAN BLOWERx5 SETS                            |
| MAIN DRIVING MOTOR                                                             | MOTOR A.C.                                                       | 20 HP                                                                                                            | 30 HP                                            | 50 HP                                            | 75 HP                                            |
| DIE                                                                            | HDPE DIE                                                         | 80m/m                                                                                                            | 100m/m                                           | 150m/m                                           | 200m/m                                           |
|                                                                                | LDPE DIE                                                         | 150m/m                                                                                                           | 200m/m                                           | 300m/m                                           | 400m/m                                           |
|                                                                                | HDPE SINGLE LIP                                                  | 110m/m                                                                                                           | 130m/m                                           | 180m/m                                           | 240m/m                                           |
|                                                                                | LDPE DUAL LIP                                                    | 190m/m                                                                                                           | 240m/m                                           | 350m/m                                           | 450m/m                                           |
| DRIVING MOTOR                                                                  | 1HP AC INVERTER, 0.2kg/M TORQUE MOTOR W/ REDUCER                 | 1HP AC INVERTER, 0.2kg/M TORQUE MOTOR W/ REDUCER                                                                 | 2HP AC INVERTER, 0.4kg/M TORQUE MOTOR W/ REDUCER | 1HP AC INVERTER, 0.4kg/M TORQUE MOTOR W/ REDUCER | 1HP AC INVERTER, 0.4kg/M TORQUE MOTOR W/ REDUCER |
|                                                                                | TAKE-UP SPEED                                                    | HDPE: 0~100 M/min. LDPE: 0~60 M/min.                                                                             |                                                  |                                                  |                                                  |
|                                                                                | NIP-ROLL FACE LENGHT                                             | 650m/m                                                                                                           | 800m/m                                           | 1200m/m                                          | 1600m/m                                          |
|                                                                                | TOTAL HEIGHT OF TAKE-UP UNIT                                     | 4750m/m                                                                                                          | 5100m/m                                          | 6000m/m                                          | 7000m/m                                          |
| WINDER                                                                         | TYPE                                                             | SURFACE WINDING TYPE. Film Cut-off: Automatically by pneumatically powered flying knife at preset target length. |                                                  |                                                  |                                                  |
|                                                                                | MAX. WINDING WEB WIDTH                                           | 550m/m                                                                                                           | 700m/m                                           | 1100m/m                                          | 1500m/m                                          |
|                                                                                | MAX. WINDING WEB DIA.                                            | 1000m/m                                                                                                          | 1000m/m                                          | 1000m/m                                          | 800m/m                                           |
|                                                                                | WINDING MOTOR                                                    | 4.4kg/M TORQUE MOTOR W/ REDUCER                                                                                  | 4.4kg/M TORQUE MOTOR W/ REDUCER                  | 4.4kg/M TORQUE MOTOR W/ REDUCER                  | 4.5kg/M TORQUE MOTOR W/ REDUCER                  |
|                                                                                | WINDING SPEED                                                    | HDPE: 0~100 M/min. LDPE: 0~60 M/min.                                                                             |                                                  |                                                  |                                                  |
| WINDING SHAFT                                                                  | 3" x 650m/m                                                      | 3" x 800m/m                                                                                                      | 3" x 1200m/m                                     | 3" x 1600m/m                                     | 3" x 2000m/m                                     |
| CONTROL PANEL                                                                  | ISOLATED TYPE WITH COMPLETE SET OF HIGH GRADE ELECTRICAL PARTS.  |                                                                                                                  |                                                  |                                                  |                                                  |

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