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## OGM ABA Ø65-75 G-1600 COEX BLOWN FILM EXTRUDER MACHINE

ÖZGÜLMAK PLASTİK MAKİNALARI LTD. ŞTİ  
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Customer	:	ELEVEN & SUN GENERAL TRADING CO
Address	:	IRAN
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## **GENERAL FEATURES**

Usable Materials	:	HDPE, LDPE, LLDPE
Die Head Diameter	:	HDPE Ø180 OR Ø200 (will decide after tests)
Maximum Film Width	:	1400 mm
Film Thickness	:	0,010 – 0,150 mm (Single Layer)
Layers Ratio	:	A %40, B%60
Extrusion Output	:	200-250 Kg/h
Winder's Mechanical Speed	:	150 m/min
Maximum Roll Diameter	:	1.000 mm
Total Height of the Machine	:	12.500mm
Necessary Electrical Power	:	380 Volt 3 Phase
Cooling Water Consumption	:	150 l/min
Compressed Air Pressure	:	6 Bar
Machine Colour	:	Complete White

## **GENERAL OPERATING REQUIREMENTS**

### **Electric Energy**

Main Feed	:	380-400V-AC, 3x70mm <sup>2</sup> TTR (30 Phase) + 50mm <sup>2</sup> (N) + 35mm <sup>2</sup> (PE) 50 Hz
Installed Power	:	kW

### **Cooling Water**

Operating Pressure	:	2-4 Bar
Water Temperature	:	Max. 11°C soft, filtered water

### **Compressed Air**

Operating Pressure	:	6 Bar
Air Quality	:	Filtered, dried, oil-free
Chiller Capacity (Recommended)	:	80.000 kcal/s



## 1. EXTRUDER UNIT



### 1.1. A EXTRUDER

#### 1 Pc Screw and Barrel 65

Diameter	: Ø65
L/D	: 30:1
Heating Zones	: 4 Zones
Resistances	: Ceramic heaters with stainless steel modular body
Heating Capacity	: 3,7 kW x 4 pcs
Cooling System	: Air cooling 4 Zones x 0,25 kW fans
Cooling Water	: 150 L/hr

#### **Screw Features**

Screw Material	: Bimetallic, high wear resistance alloy
Screw Type	: Barrier system

#### **Barrel Features**

Barrel Material	: Bimetallic, high wear resistance alloy
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#### 1 Pc 55 kW AC Motor

Wat or Gamak Brand (Turkey)
High Efficiency AC Motor
Forced-air Cooling AC Motor
Driver Controlled Motor

#### 1 Pc Gearbox

Yilmaz Brand (Turkey)	29424 SERIES
Cooling Type	: Water Cooling
Reduction Ration	: 1/8,2





## 1.2. B EXTRUDER

### 1 Pc Screw and Barrel 75

Diameter	: Ø75
L/D	: 30:1
Heating Zones	: 5
Resistances	: Ceramic heaters with stainless steel modular body
Heating Capacity	: 4,4 kW x 2 Zones
Cooling System	: Air cooling 4 Zones x 0,25 kW fans
Cooling Water	: 150 L/hr

#### Screw Features

Screw Material	: Bimetallic, high wear resistance alloy
Screw Type	: Barrier system

#### Barrel Features

Barrel Material	: Bimetallic, high wear resistance alloy
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### 1 Pc 75 kW AC Motor

Wat or Gamak Brand (Turkey)
High Efficiency AC Motor
Forced-air Cooling AC Motor
Driver Controlled Motor

### 1 Pc Gearbox

Yilmaz Brand (Turkey)	29426 SERIES
Cooling Type	: Water Cooling
Reduction Ration	: 1/8,2

## 2. SCREEN CHARGER

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### 1 Pc Hydraulic Screen Changer 65

Screen Changer Type	: Manual Hydraulic Type
Heat Control	: 2 Zones
Heating Capacity	: 3,5 kW
Melt-Pressure Sensors	



Screen Diameter : Approx. 65 mm

### 1 Pc **Hydraulic Screen Changer 75**

Screen Changer Type : Hydraulic Type

Heat Control : 2 Zones

Heating Capacity : 3,5 kW

Melt-Pressure Sensors

Screen Diameter : Approx. 75 mm

## 3. DIE HEAD UNIT



### 1 Pc **ABA System Fixed 3-Layer Die Head**

Die Head Diameter : HDPE Ø180 OR Ø200

Lip Gap Sizes : 1,50 mm and 1,80 mm.

Layout for Die Insert : 180mm

Heat Control : 4 Zones

Heating Capacity : 7,5 kW

Cooling Type : Air Cooling, Dual Lips System

Air Inlets : 6 Zones

Air Fan : 18,5 kW 2850 RPM AC Motor ABB Brand Inverter

Galvanic hard chrome plating



#### 4. TAKE-OFF UNIT

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<b>1 Pc</b>	Tower Type	: Vertical Rotating Tower
	Tower Height	: 12.500 mm
	Take-Off Roll Width	: 1600 mm
	Take-Off Roll Diameter	: 230 mm
	Motor	: 3 kW 1500 RPM AC Motor ABB Brand Inverter
	Gearbox	: Planet Type
	Hauling Speed	: 150 m/min
<b>1 Pc</b>	Bubble Cage	: Motorized ON/OFF Motion System

#### 5. MIDDLE HAULER

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<b>1 Pc</b>	Middle Hauler Roll Width	: 1600 mm
	Middle Hauler Roll Diam.	: 230 mm
	Motor	: 3 kW 1500 RPM AC Motor ABB Brand Inverter
	Gearbox	: Planet Type
	Hauling Speed	: 150 m/min



## 6. WINDER UNIT

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<b>1 Pc</b>	Winder Type	: Automatic Single Winding
	Max. Bobbin Diameter	: 1000 mm
	Max. Line Speed	: 120 m/min
	Main Roll Width	: 1.600 mm
	Main Roll Diameter	: 380 mm
	Motor	: 3 kW 1500 RPM AC Motor ABB Brand Inverter
	PLC Control	: PM 554 TP-ETH PLC ABB Brand
	Touch Screen	: CP635 7" ABB Brand
	Tension Control	: Loadcell with PLC
	Unloading System	: Hydraulic System
	Shaft Change	: Robotic Arms
	Air Shaft	: 2+1 Pcs. Steel Body 6"

## 7. MAIN ELECTRIC CABINET

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<b>1 Pc</b>	Electrical Components	: ABB Brand
	Heat Control Zones	: 18 Zones

## 8. CONTROL PANEL

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<b>1 Pc</b>	PLC Control	: TYPXGBDN32S
	Fixed on the Tower	





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## **COMMERCIAL TERMS AND CONDITIONS**

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### **1. PAYMENT TERMS**

30% down payment upon receipt of the order confirmation

60% of the order value before shipment by TT

10% After Installation

### **2. DELIVERY TERMS**

The total price is EXW Ozgulmak Factory (according to INCOTERMS, 2010 edition)

### **3. SHIPMENT TIME**

Shipment is expected 25.05.2022 (10 days optional) following receipt your down payment. The actual shipping date will be confirmed upon receipt your down payment.

If the shipment be delayed for reasons beyond the control of Özgülmak Plastic Machinery, all costs for transportation to a suitable storage location, storage and warehouse charges are belong to the buyer.

### **4. SUPERVISION OF INSTALLATION AND COMISSIONING**

Commissioning can be conducted by our trained personnel (2 person: montage supervisor, operating supervisor and programmer), at the agreed time. The costs for the travel to and from the site, accommodation and expenses are belong to the buyer.

The buyer should supply personnel for the installation.

### **5. WARRANTY**

We warranty for a period 1 year (one year) following the shipping documents date of issue.

The warranty does not extend normal wear and tear, damages based on incorrect use, unsuitable operation, unsuitable facilities and chemicals.