



Quotation №:	22
Date:	03.11.2016
Valid till:	03.12.2016
Attention of:	Eric Findlay
Address:	
Company:	Machine Compare.com

Technical task for a blown film extrusion line

1	Type of film and application	
2	Capacity, kg/h	
3	Used materials for the production of film	
4	Film thickness, mcm	
5	Thickness tolerance, %	
6	Layflat width of film, mm	
7	Gussets, mm (each side)	
8	Winding unit	
9	Dosing system	





Coextrusion Blown Film Line ABA type – “Aleko-800”






1. Specifications

1.1.	Material	HDPE, LDPE, Recycled PE, CaCO ₃
1.2.	Width of film (layflat), mm	800
1.3.	Thickness of film, mcm, HDPE	8-40
1.4.	Max dia. of film roll, mm	700
1.5.	Maximum linear speed of winding, m/min	100
1.6.	Maximum capacity, kg/h Layer's ratio 1:4:1 thickness 30 mcm Layer's ratio 1:3:1 thickness 25 mcm	Up to 100 kg Up to 90 kg
1.7.	Screw dia. «A», «B» mm	35/45
1.8.	Screw L/D ratio	32/1
1.9.	Rotation speed of screw, stepless, adjustable, min	15-125
1.10.	Frequency inverters «Delta», Taiwan. pcs., including: - Main drive of screw «A», «B» - Drive of «Air ring» - Drive of take-up device - Drive of winding device	6 2 x 1 1 1 2x1
1.11.	Rated capacity, KW/hour	80
1.12.	Average power consumption	48
1.13.	Dimensions, mm (L x W x H)	6794 x 4447 x 4800
1.15.	Weight, kg	5659


2. Extrusion unit A

2.1	Type of screw	High speed, compressed type with forced cooling of barrel. Grooved feeding zone Design Germany	
2.2	Screw dia., mm	35	
2.3	Material of screw and barrel	SACM-645	
2.4	Hardness of screw and barrel	63-68 HRC	
2.5	Power of main drive, KW	11 (with inverter control «Delta»)	
2.6	Number of heating zones	3	
2.7	Power of heaters, KW	8	
2.8	Screen cahnger filter, pcs	1	






3. Extrusion unit B

3.1	Type of screw	High speed, compressed type with forced cooling of barrel. Grooved feeding zone Design Germany	
3.2	Screw dia., mm	45	
3.3	Material of screw and barrel	SACM-645	
3.4	Hardness of screw and barrel	63-68 HRC	
3.5	Power of main drive, KW	18,5 (with inverter control «Delta»)	
3.6	Number of heating zones	4	
3.7	Power of heaters, KW	12	
3.8	Screen changer filter, pcs	1	


4. Extrusion die head and air ring

4.1.	Type of extrusion die head	Circular with spiral distributor	
4.2.	Diameter of die head, mm - HDPE - die gap, mm	1 pc 80/100 1,4 mm	
4.3.	Material of die head	S45C Hard chrome plating 50 mcm with polishing to 30 mcm.	
4.4.	Number of heating zones, incl.: - Die head - Filtration unit «A» - Filtration unit «B»	7 3 2 2	
4.5.	Power of heaters, KW	25	
4.6.	Air ring	Single lip. adjustable.	
4.7.	Material of air ring	Cast aluminium	






4. Take up unit

4.1.	Type of unit	With pneumatic pressing	
4.2.	Width of take up roller, mm	850	
4.3.	Effective width of roller, mm	800	
4.4.	Power of take up motor, KW	0,75 (with inverter control «Delta»)	

5. Winding unit

5.1.	Type of winding unit	Contact type with pneumatic pressing with automatic cutting of film and change of roll	
5.2.	Number of winders stations	1	
5.3.	Width of winding roller, mm	850	
5.4.	Effective width of winding	800	
5.5.	Film roll diameter on winding, (max) mm	700	
5.6.	Power of winder motor, Kw	0,75 (with inverter «Delta»)	
5.7.	Airshafts, pcs	2	

Equipment package:

№	Item	Quantity	Notes	Warranty:
1	Extrusion unit	2 pc.	Gearbox with helical oblique gears	2 Years (working only with virgin raw material) Except: A) Sealers B) Bearings C) Fittings D) Lock rings E) Oil
2	Filter unit	2 pc	Screen changer	3 Years Except: A) Filter net B) Stabilizer





3	Three-layer extrusion die head and air ring	1 pc	A) HDPE die head B) Air ring HDPE	2 Years <i>(working only with virgin raw material)</i>
4	Air distributor	1 pc		1 year
5	Bubble cage	1 pc		3 Years <i>Except: Fittings</i>
6	Folding device	1 pc		3 Years <i>Except: Fittings Wood strips</i>
7	Take up unit	1 pc.		1 Year <i>Except: A) Sealers B) Bearings C) Fittings D) Lock rings E) Oil, lubricants</i>
8	Frame	1 pc		3 Years <i>Except: Fittings</i>
9	Automatic blow up system	1 pc		1 Year
10	By pass roller	5 pcs		2 Years <i>Except: A) Sealers B) Bearings C) Fittings D) Lock rings E) Oil, lubricants</i>
11	Winding unit	1 pc	With automatic change of roll	1 year <i>Except: A) Sealers B) Bearings C) Fittings D) Lock rings E) Oil, lubricants</i>
12	Control system	1 pc	Frequency inverters "Delta" Temperature controllers"Delta"	1 Year
13	Pneumatic system	1 pc	«CAMOZZI», Italy	1 Year <i>Except: A) Fittings</i>
14	Length meter of film	1 pc		1 Year
15	Control of the width of bubble	1 pc		3 Years
16	«Banana» roller	2 pcs	1 pc. At winding, 1 pc at frame	1 Year
17	Airshafts	2 pcs		1 Year





18	Spare parts kit for 1 year of continuous operation	1 set		
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Price:

Model	EXW RUSSIA, EUR
Aleko-800	
Standard price	72 500 €
Promo price K-2016 Fair (valid until 25.12.2016)	69 744 €

Video of machine in operation:

<https://www.youtube.com/watch?v=cTZ-EWYoK5o>

Optional equipment (Not included in price):

№	Item	Price, USD EXW per 1 pc.
1.	Melt material pressure sensor	1 300
2.	Pneumatic loader	890
3.	Corona treater 800, 3 Kw	4 300
4.	Hot slitting knife	731
5.	Side knife	100
6.	Central knife	20
7.	Spare kit for LDPE	Upon request
8.	Air chiller	Upon request
9.	Perforation device	Upon request
10.	Rotation unit for die head	Upon request
11.	Gravimetric dosing system	Upon request

Volumetric dosing system:





Item	Price without pneumatic loaders	Price of pneumatic loaders	Total price
1) Main material + 1 additional component	€ 1 800,00	€ 1 900,00	€ 3 700,00
2) Main material + 2 additional components	€ 2 500,00	€ 2 850,00	€ 5 350,00
3) Main material + 3 additional component	€ 3 200,00	€ 3 800,00	€ 7 000,00
4) Main material + 4 additional component	€ 3 900,00	€ 4 750,00	€ 8 650,00

Terms and conditions of payment:

Manufacturing time	100– 150 days
Payment	- 40 % advance payment - 60 % after machine's run test
Packaging	Placed on wooden pallets, wrapped into plastic film, fixed inside container/motor transport by screws/lashing straps.
Test run of machine	1. Test run before shipment in accordance with client's formula 2. Test run at client's factory in accordance with client's formula
Warranty	The equipment meets CE (Conformité Européenne) standards. The warranty is up to 36 months. The detailed warranty conditions are described in "Equipment package" part of this quotation.
Customs formalities	The abovementioned price includes the customs formalities within Russian Federation. All the expenses connected with customs formalities outside Russian Federation are born on buyer.
Extrs services (not included in price):	Installation and adjustment supervision Advisory service (At client's site): - on manufacturing process; - technical service; (100 USD/Day + transport and accomodation)

If you are interested in this quotation, we are ready to send you the draft contract as well as to answer all of your questions.

Looking forward to hearing from you soon

Best Wishes,
Specialist, Polymer Equipment Department
GC «ALEKO»

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