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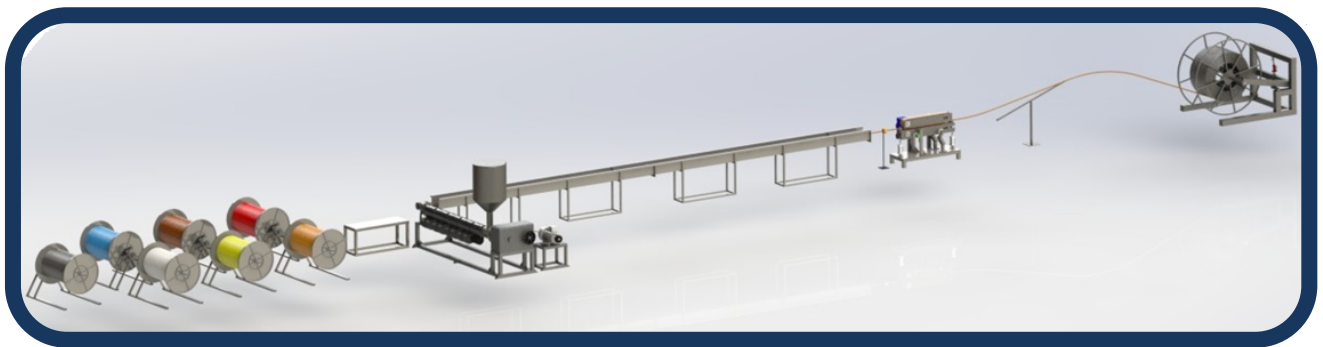
Date: July 6, 2024



ABADIS DYNAMIC TECHNOLOGY

Commercial Offer & Technical Specification for Microduct Sleeving Line

(4ways,7ways 14/10mm; 4ways,7ways 8/5mm)



CONTENTS

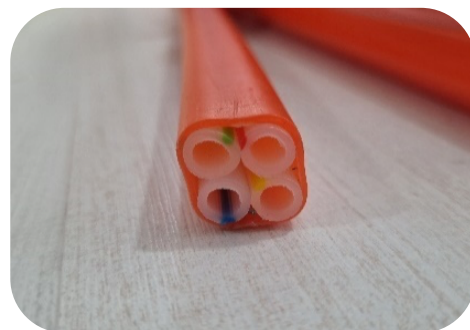
PART1:	QUOTATION LIST.....	3
PART2:	MACHINE COMPOSITION SET.....	4
PART3:	DETAILED TECHNICAL SPECIFICATION.....	5
PART4:	TECHNICAL PARAMETER.....	15
PART5:	REFERENCE SPARE PARTS.....	15
PART6:	INSTALLATION AND STAFF TRAINING.....	16
PART7:	ABADIS COMPANY PROFILE.....	16
PART8:	CUSTOMER REFERENCE.....	19

Microduct 8/5 Pipes Bundling Samples

7ways 8/5mm



4ways 8/5mm



PART 1 QUOTATION LIST

(1) Delivery time: 90 days

(2) Package: Soft package suitable for land transport

(3) Warranty time: One Year

(4) The Normal Electric power supply: Three phase four wire 380V, 50HZ, If your power different, There will be extra 5% cost in basis of the current total price.

(5) All of technical manuals, electric drawings, installation drawings, buttons on equipment, other related documents, etc. will be written in English and Persian version.

NOTES: The production speed of the above configuration is 20m/min for 14mm/10mm x4ways Microduct Bundles pipe production.

PART 2 MACHINE COMPONENTS

NO.	Machine Set Composition	Qty.
1	Duct PE Pipe Uncoiler	7sets
2	High Efficient PE Pipe Extruder 55KW	1 set
3	Auto Loader	1 set
4	Hot Air Dryer	1 set
5	Micro Duct PE Bundles Shaping Device	1 set
6	PE Jacket Pipe Cross Type Design Die Head	1 set
7	Cooling Tank	1 set
8	Haul-off Machine	1 set
9	Pipe Coiler	1 set
10	Delta PLC Computer Control System	1 set

PART 3 DETAILED INFORMATION OF EACH PART

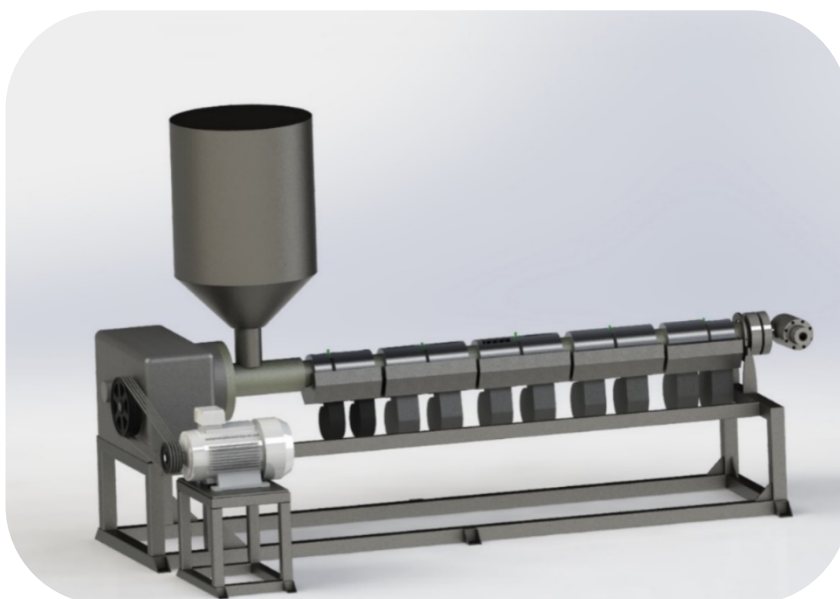
1 . Duct PE Pipe Uncoiler

7 SETS



2. PE Extruder (55Kw)

1 SET



1> Screw

——Mode

“Abadis Made” Latest five stage high efficient screw, Using the special patented designed 5 section large L/D structure screw for production of HDPE, which has largely improved the plasticizing & mixing effect.

——Advantages

Under the same energy consumption condition, the output can be increased about 30% at certain unit time.

——Diameter

90 mm

——Surface treatment

Nitriding, polishing, nitriding thickness 0.5-0.7mm

——Rotating speed

6-60rpm

2> Barrel

——Mode

“Abadis Made” forced feeding function, insuring of the solid materials transport efficiency.

——Inner surface treatment

Nitriding, polish, nitriding thickness 0.5mm-0.7mm

——Heating control zones

7 zones

——Temperature control mode

Programmable Delta PLC high precision, automatic temperature control

——Heating mode

High efficient cast Aluminium heater

——Heating power

8KW * 5 + 4 KW * 2

——Cooling mode

Double vortex powerful air cooling, spiral grooves designed on the barrel surface, for better cooling effect and energy consumption saving

——Cooling power

Zilabeg 0.37Kw*12

3> Reducer

——Gear mode

“China Made” Spiral gear

——Gear surface treatment

gear surface carbonization quenching

——Lubrication system

Immersed lubrication

4) Electric box

——Control mode	“China Made” Delta PLC computer control
——Cooling mode	Fans Cooling

5) Drive motor

——Motor Type	“Iran Made” Electrogen 55Kw A.C Motor
——Speed Governing mode	Frequency speed governing
——Frequency Inverter	Delta Brand
——Drive Type	75 Kw Delta-C2000

1SET

3. Vacuum Auto Loader

——Auto Loader Brand	“Iran Made” Milan Brand Auto Loader
——Loading Capacity	150Kg/h
——Feeding Hopper Capacity	50L
——ID of Feeding Pipe	ø50mm
——Motor Power	1.1Kw
——Main Body Dimension	70x48x110mm

4. Hot Air Dryer

1SET

——Available Volume	50L
——Capacity	5KG
——Heating Power	1.5*3Kw
——Air Blowing Power	0.24Kw
——Tank ID	ø500mm
——Max. Temperature	200°C
——Features	① Material tank installed with side glass for inspection ② Curve heating cylinder designed to avoid powder pile,

5. Micro Duct PE Bundles Shaping Device

1 SET

——Design

“Abadis Made” Specially designed according to the bundles dimension, before production, will provide you the referenced drawings.

6. PE Jacket Pipe Cross type Design Die Head Moulds

1SET

——Structure

“Abadis Made” Built-in Pipe forming moulds, specially designed

——Heater

Aluminium Heater

——Surface Treatment

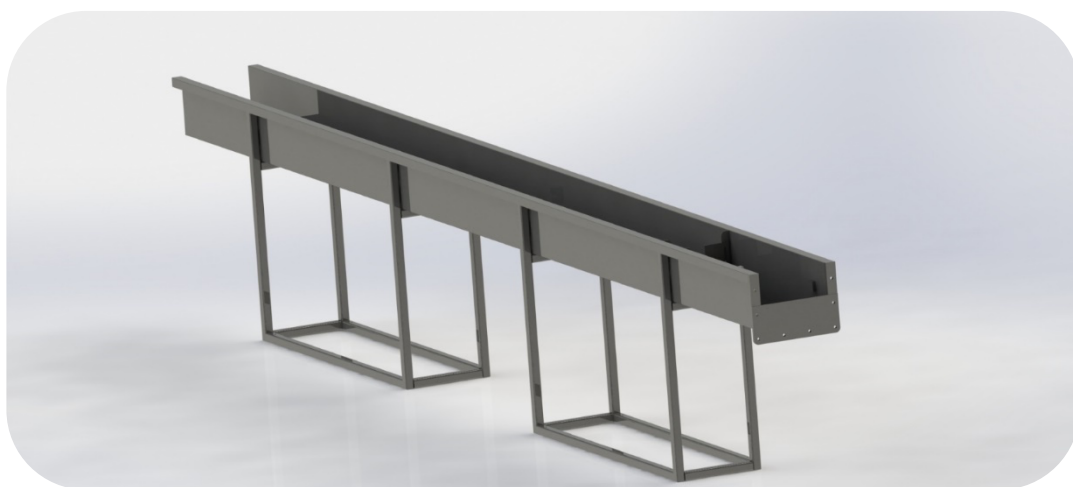
Mouth die and Mandrel with plate chroming treatment, for purpose:

——Type and Size

① Reduced the melting-flow friction coefficient,
② The tooling clearance and maintenance is easier
③ Lengthen the lifespan of the mouth die and mandrel
(4ways or 7ways 14/10mm; or ; 4ways or 7ways 8/5mm)
Thickness, 1.2mm

7. Immersed Cooling Tank

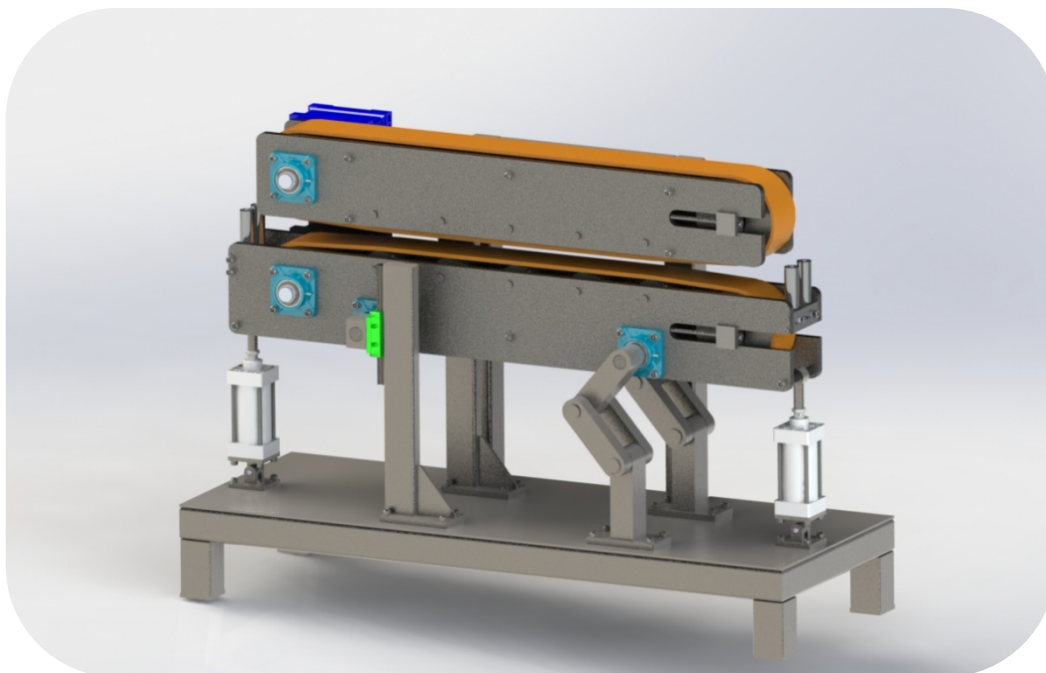
2 SET



——Cooling mode	Immersed
——Casing material	Galvanized steel
——Length	6000mm X2
——Central height	1000mm
——Water Pump type	Circulation type, 2.2 Kw

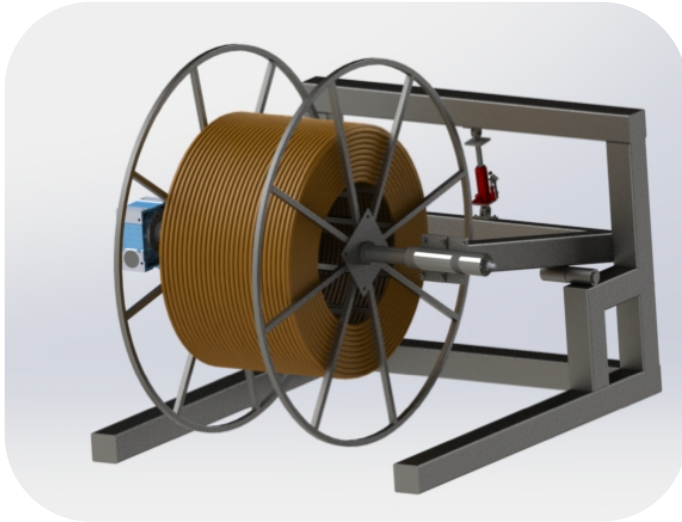
8. Haul-off Machine

1 SET

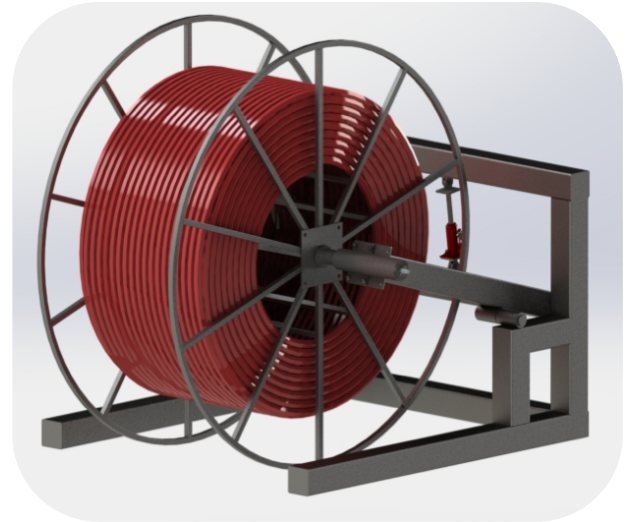


——Model	VB-300
——Driven Motor	3Kw, “Iran Made” Electrogen A.C motor × 2
——Frequency Inverter	Delta Brand C2000
——Clamping mode	Pneumatic clamping
——Pulling mode	Belt type “V” grooves design for stable performance
——Belt quantity	2 pcs
——Metering Counter	“Korea Made” Autonics Encoder equipped for length metering
——Features	<p>① High speed wear-resisting belt, pneumatic clamping,</p> <p>② With ability to pass defected head</p> <p>③ The force of haul-off and clamping is balanced with good stability.</p> <p>④ Synchronous control with Extruder, Rapid Response speed for extruder speed adjustment</p>

9. Adjustable Bundles Pipe Coiler



Arrangement for 8/5 pipes



Arrangement for 14/10 pipes

——Up-down movement adjust

By hydraulic jack adjustment

——Features

The width can be adjusted according to the reel and coils size

——Driven Motor

Torque Motor Drive 14.9 N.M

——Traversing Unit

“China Made” Electogen A.C Motor 2kW

——Frequency Inverter

Delta Brand C2000

——Drum

Suitable for wooden drum and metal drum. 1100mm-2500mm, or customized design

10. Delta PLC Control System

1SET



——Brand

“China Made” Delta PLC

Built-in the whole line precision synchronous control functional module

——Colorful Screen

10.5inch Screen

——Function

- ① Synchronous control of Extruder and the downstream equipment, such like Gravimeter system, Haul-off Machine, etc.
- ② Intelligent and Easy to learn, Kind of information such as temperature, electricity, speed, melting pressure, can show on the screen, easier to learn for the operator.
- ③ Alarm Reminder, Programmable and settable alarming and protection function at all levels.

PART 5 USE CONDITIONS

1> Site	Indoor
2> Temperature	0-45°C
3> Humidity	85% without condensation
4> Electric Power	Three Phase four Wire 380V 50Hz
5> Overall Size	(L×W×H)35m×4m×3.5m
6> Installed Power	110KW/h
7> Actual Power	55-70KW/h

1. The warranty period is valid for 12 months from the date of delivery. The freight fee of subsequent fitting is charged by buyer. The seller can supply technology guide and consultation by telephone or Email.

2. Before our technician coming, please let your worker to learn the machine manual first, and also get water, electric, compressed air source, related tools and machine layout ready according to our layout drawings or photos.

3. The acceptance of machine will be carried out at the seller's factory.

