I.R.I

APS MACHINE

ALBORZ POLYMER SEPAHAN co

APS MACHINE

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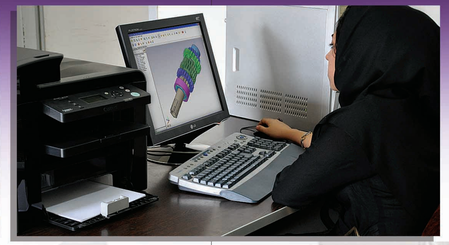
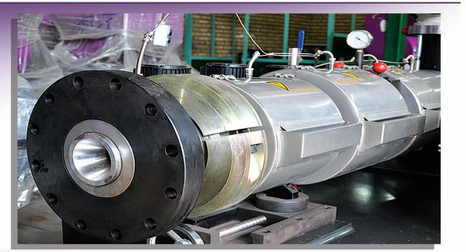
Ask us the power,the speed and the quality

APS MACHINE I.R





Our Company

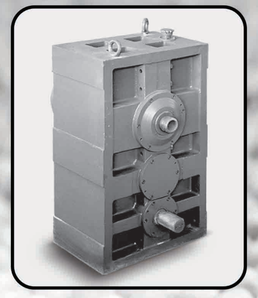
APS machine, brand of Alborz Polymer Sepahan Company, is the reliable support for manufacturers of polymer and plastic industry.
Managers and staff of APS machine with more than15 year's experience in design, construction and operation of the plastic industry machinery and with membership in the Research and Development center of the Ministry of Industry, Mine and Trade (R&D) and receipt the required standards in management, customer satisfaction and export, hope tocontinue proud of the Islamic republic of Iran and support you, respectable manufacturers, with the strength, speed, quality and using the best and latest technology in manufacturing of plastic machinery .

Hoping honor of Iran.

Abolfazl Fesharaki
Chief Executive Officer

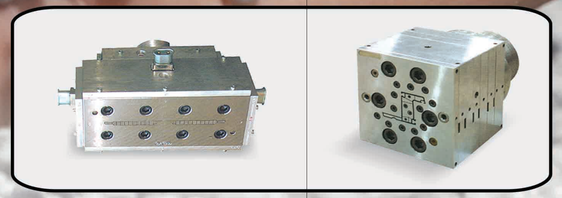
Mohammad Hossein Hashemi
Chairman

Spare Parts



PVC & PE Gearbox

PE & PP Screw & Barrel



Mould of Wall Panel

Tools & Profile

قطعات یدکی

PVC & PP Caliber

PVC Screw & Barrel

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Grinder

This machine is used for recycling waste plastics and polymer materials.

Model	Diameter	Power (Kw/h)	Capacity (Kg/h)	Blade		Dimension (mm)	Weight (kg)
				Mobile	Fixed		
APS 300	310×200	5/5|7/5	150 - 200	9	2	109×71×118	432
APS 400	410×235	7/5|10	200 - 250	12	2	110×81×126	500
APS 500	515×290	11|15	300 - 350	15	2	130×96×156	900
APS 600	610×320	15|20	350 - 450	18	4	149×107×161	1100
APS 800	815×470	22/30|30/40	450 - 600	24	4	193×150×224	2000

PVS Miller

Item	Specification
Crusher inner diameter	400
Watermelon	Yes
Main shaft speed	3400 - 3700 rpm
Motor power	30 Kw
Mill capacity	150 Kg/h
Number of fixed blade	6
Number of mobile blade	60
Vibration motor power	0.4 kw

PVC Mixer

Double wall heater
Double wall chiller
opening doors automaticly
Transferring power to chiller with gearbox , pully
Two round strap
3 Phase power

Model		APS 200 / 500	APS 300 / 600	APS 500 / 1000
Total capacity	Heat	200	300	500
	Cool	500	600	1000
Effective capacity (L)	Heat	150	200	380
	Cool	320	360	650
Paddle (rpm)	Heat	475 / 950	475 / 950	430 / 860
	Cool	50	130	60
Motor power (kw)	Heat	30 / 42	40 / 55	75 / 55
	Cool	11	11	15
Mixing time	Heat	8-10 min / pan	8-10 min / pan	8-10 min / pan
	Cool	6-8 min / pan	6-8 min / pan	6-8 min / pan
Charger Capacity		120 Kg	180 Kg	300 Kg
Capacity		350 Kg / h	480-530 Kg / h	700-800 Kg / h
Gases Consumption (CBM/min)		3-8	3-8	3-8
Heating Method		Electric	Electric	Electric
Discharge Method		Manual / Pneumatic	Manual / Pneumatic	Manual / Pneumatic
Outlook size		3300×2240×2400	3300×2240×2400	4600×3000×3100
Weight		2.5 Ton	3.5 Ton	4.5 Ton

PVC Pipe Extrusion Line

This company's production lines are used to produce various types of PVC pipes with different sizes and thicknesses for use in constuction , swerage , agriculture , cable channel and etc .The behind-the-line equipments of these series of extruders have special designs , facilities and measurement tools , and also Safe performance and high efficiency are their benefits .

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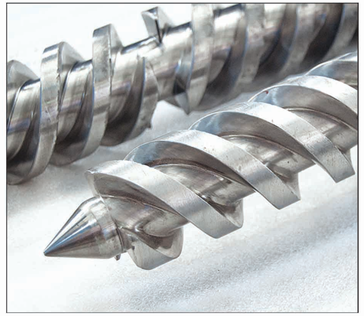
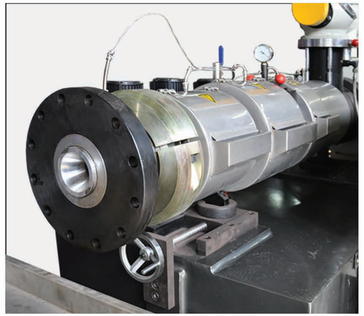
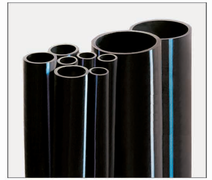
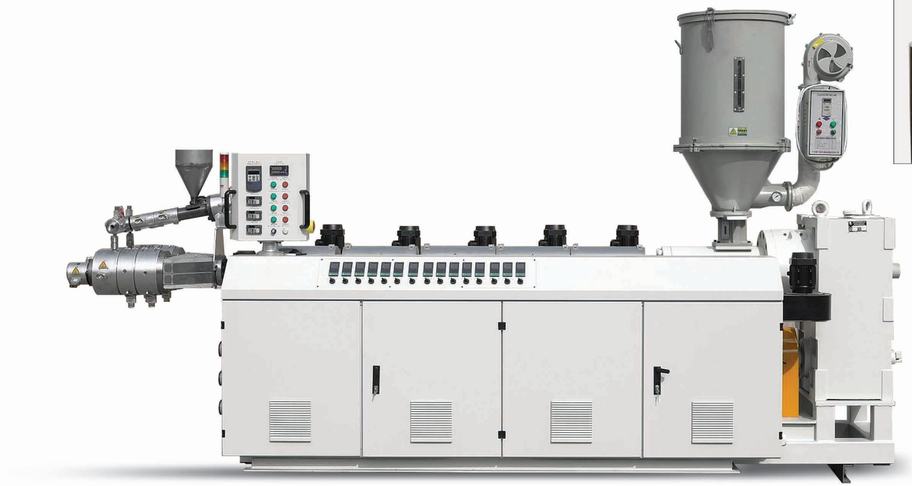




Model	Total power (kw)	Power (kw)	Draw speed (kw)	Vacuum tank length (m)	Diameter Pipe size (mm)	Production line length (m)
APS-PVC 63	50	22	1-16 / 1-32	3/5	20-63	22
APS-PVC 160	65	37	0.7-7 / 0.4-4	4/5	75-160	25
APS-PVC 315	70	55	0.2-2 / 0.1-1	5	20-315	30

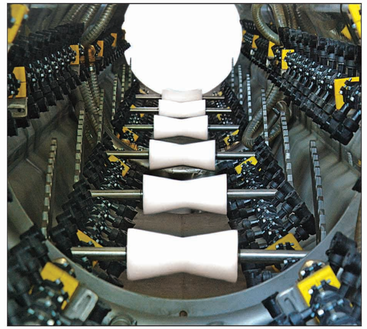


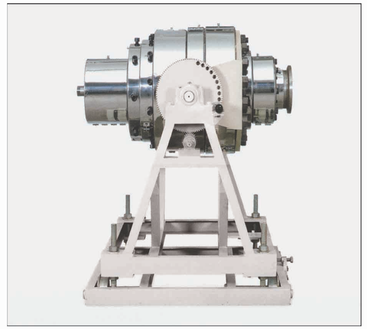


PE Pipe Extrusion Line

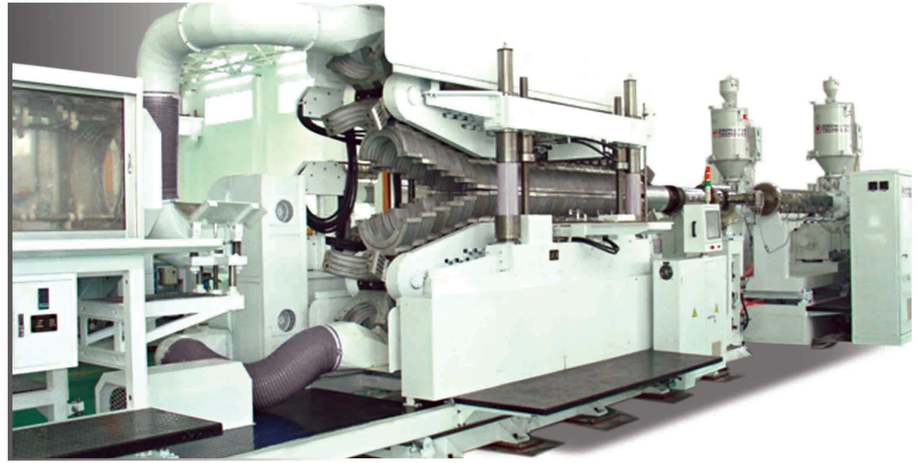
PE pipe production lines is mainly used for producing water pipes , drainage, agriculture, construction and etc . this machine consists of single screw extruder , holdfast , vacuum tank , vacuum calibration tank , haul-off , cutting unit and stacker .
Extruder frequency control system ,haul-off , vacuum motor , extruder main motor , all of them are well-known and and have high efficiency .
with these extruder series ,we can produce pipe with material of PP,PPR,ABS,PEX and etc . the planetary cutting machine can controlled with computer automatically . the production lines mentioned above have simple and reliable performance and has reached international advanced level .

APS MACHINE I.R.I





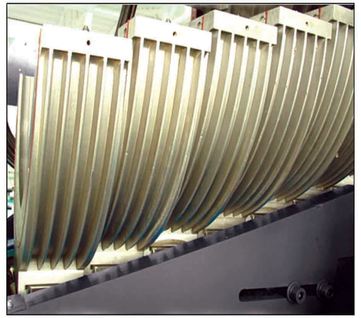
Model	line length (m)	Total power (kw)	Power (kw)	Output (kg/h)	Extruder	Diameter(mm)
APS-PE63	28	55	37	120	65-34	20-63
APS-PE160	42	85	55	200	75-34	75-160
APS -PE315	45	140	75	350	90-34	200-315
APS-PE630	55	400	110	600	100-34	400-630
APS-PE1200	70	720	135	1200	100-34	630-1200

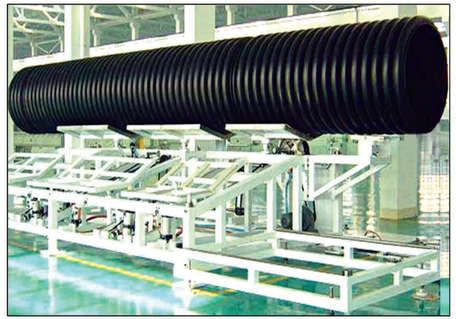


HDPE /PP/PVC double wall corrugated pipe production line

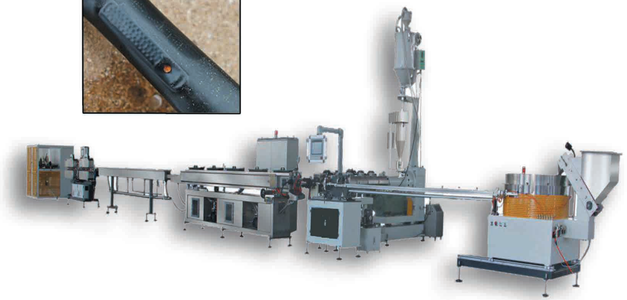
This kind of corrugated pipe is mainly used for underground water draining system Properties and advantages : It is a fully computer controlled, automatic production line. it features high and stable output capacity, and highly automatic Eetruder : different types of extruder can be selected for the production line according to the material properties . for HDPE you can choose high efficient single screw extruder. For PVC you can choose conical twin – screw extruder or parallel twin –screw extruder

APS MACHINE





Model	Pipe Diameter (mm)	PVC Output (kg/h)	HDPE Output (kg/h)	Total power (kw)	Max Speed (kw)
APS-600	200-600	800	800	5/0	500
APS-800	200-800	1200	1000	3/0	680
APS -1000	200-1000	1300	1200	2/5	710
APS-1200	800-1200	1400	1400	1/5	800



The machines is mainly used in the production of flat emitter tape and round drip irrigation pipe

The benefits of this line are as below :

1)High production efficiency

2)Reasonable structure compact

3)Convenient operation and maintenance

4)Long use life etc

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PE lay flat hose production:

PE lay flat hose production line is the newest product of APS machine company . some of advantages of lay flat hose are : more reasonable price , more flexibility , fast installation , easy movement and collecting o hoses and also storage of used hoses in the end of each working season

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PVC door & window profile & sconce production line

These lines are used for producing door and window profiles , sconce, cable and wire docts .
with one twin screw extruder and the related behind-the-line equipments like haul-off, cutting unit,stacker and other special equipment of profile
You can produce various types of pvc profiles by different molds . the capacity of extruders mentioned is between 150-450 kg/h and Its function is controlled by PLC .also , we can use parallel twin screw extruder for producing some profiles with high speed .

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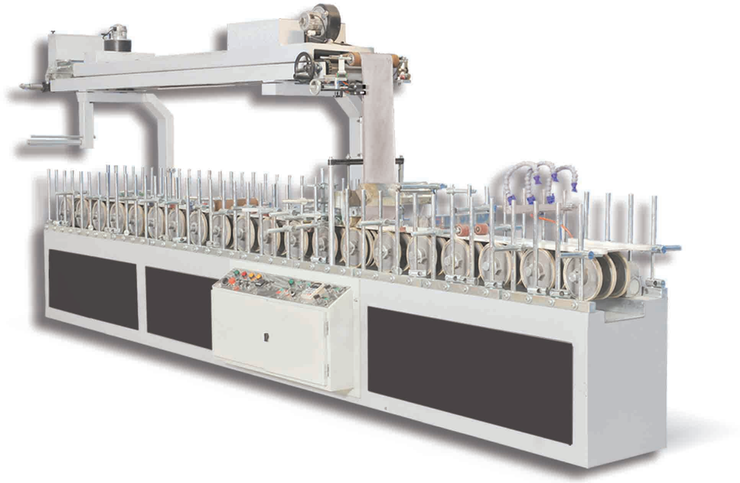
Dimension	2100×1140×1160 mm
Weigth	660 Kg
Voltage	220 V
Motor Power	22 Kw
Max. foil width	1500 mm

Foil Slitting Machine

This machine is able to cut laminate and convert it to laminate with a maximum width of 1400 mm at the same time .



Wrapping Speed	0-20 m / min
Max. foil width	300 mm
Max. Profoil width	300 mm
Max. Profoil height	100 mm
Motor Power	1.5 Kw
Motor Power of centralized system	1.1 Kw
Heating Power	15 Kw
Number of Pivots	20
Width of Machine	6 Bar
Voltage	380 V
Frequency	50 Hz
Length of Machine	5000 mm
Air Pressure	500 mm
Height of Machine	2100 mm

Laminate Machine

This machine is able to laminate PVC panel, PVC profile andplywood.

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Hot stamping width	300mm
Hot stamping speed	10m/min
Hot stamping thickness	2-40mm
Total power	5.5kw
Weight	1200kg
Visual size	mm1900×1200×4000

Low Temperature Hot Stamping Machine Model APS OTR - 300

The usage of this device is: printing any types of beautiful and exquisite designs on the sconce ,plastic doors , sheet with low foam , Compact sheets and foam sheets.
Spechial features of this machine is : static deleting , Cleanliness , glue coating , and using thermal printer machine with resistant silicon roller against heating instead of external penumatic pressure . this is low noise ,safe and with sustainable and simple operation machine and also, It has free speed adjustment ability

Model	APS-PM 150	APS-PM 300
Printing wide	120	260
(Repetition of printing (mm)	635	635
Speed m/min	10	10
Motor power (Kw)	1.1	1.1
UV dryer power (Kw)	120	120
UV generator power (Kw)	5	5

Print & UV Machine

In the APS-PM series printing machine rotational rollers are used for print designing like wood and marble on the termoplastic profiles such as pvc wall panel , margins of the columns , Furniture margins strip profiles and other profiles . this machine has ability to print by maintaining the full layout on the any kind of background texture with size of 4-4/5 micron , it is affordable economically , and single color and multi color printing process is enforceable with high-quality by this machine . attractive appearance and high strength has obtained by UV gloss , and printing speed of user requirements , also obtaine with using electronic invertor and harmonious performance of all sections of machine .

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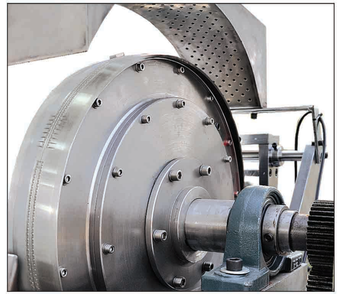
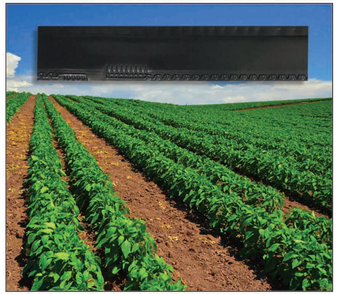
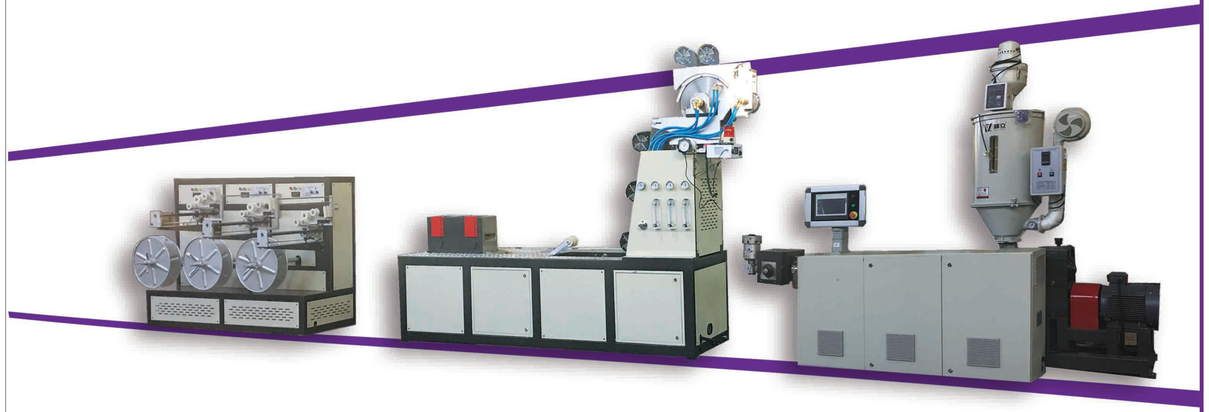


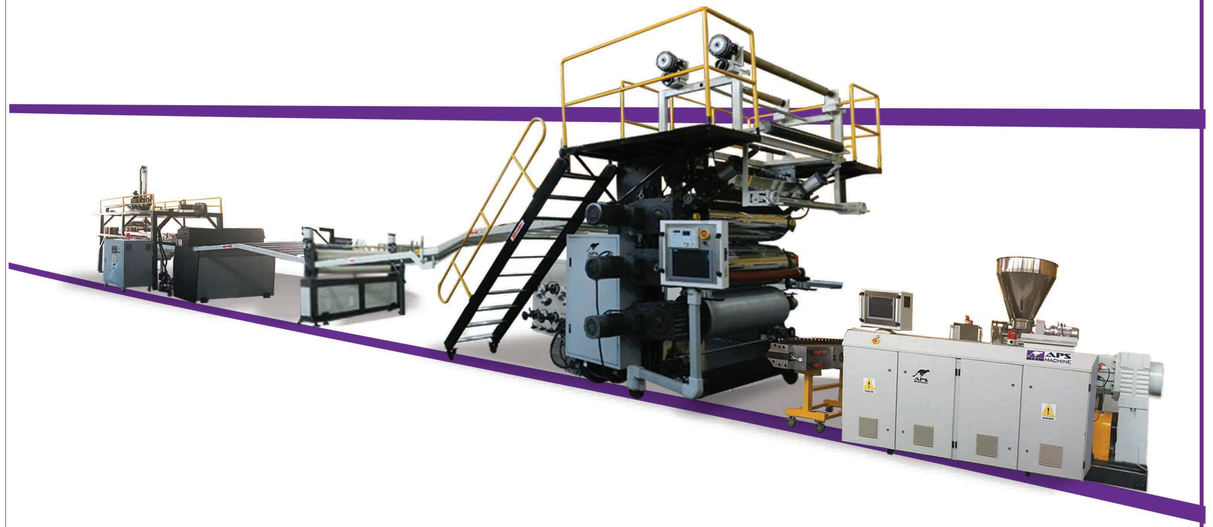


Total power (kw)	Line lenght (m)	weight (Kg)	Products thickness (mic)	Dripper distance (mm)	Power consumption	Control system
22	15	4000	175/200	100	380 V	PLC
				200	50 H2	
				300	3 Phase	

Drip Irrigation tape Extrusion Line

This machine can make dripirrigation tape in distance of 10 , 20 and 30 cm with 175 and 200 micron thickness that can be used in agriculture industry and causes improvement of watter dustribution and make irrigation more flexible.





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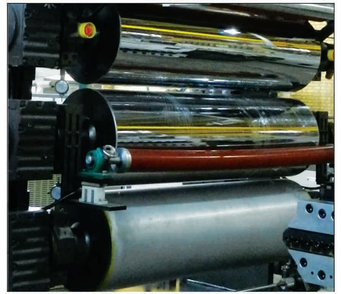

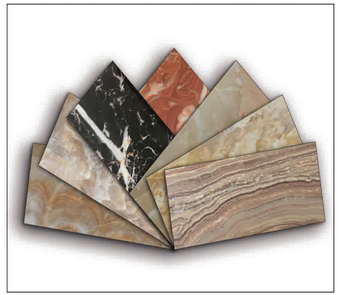

مـــــدل	قدرت موتور (کیلووات)	مواد	ضخامت (میلی‌متر)	عرض (متر)	خروجی (کیلوگرم / ساعت)
APS-PVC 80/156	75	PVC	1-8	12/20	400
APS-PVC 92/188	110	PVC	1-8	18/30	600

Marble production line

Usage of marble sheet is in spring resorts , bath club , office building , hotels , subway and generally in wet environment . this machine has prodused in two models that motor power of each of them is 75 and 110 K/W and thickness of it s product is 1-8 mm .

Support for the production of pride

Production Support Is Our Pround

- Pvc laminating film
- HotStamping foil
- Pvc marble sheet
- Pvc tile film

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PVC Laminating Film

PVC laminating films are available with 1/26 cm width , 13 micron thickness and in 24 diffrant colors and designs.

PF-۰۱ آنتیک لایت

PF-۰۲ نسکافه

PF-۰۳ جویز

PF-۰۴ کاج روشن

PF-۰۵ کاج تیره

PF-۰۶ ونگه

APS MACHINE I.R.I

PF-۰۷ چام

PF-۰۸ طلایی

PF-۰۹ زیتون

PF-۱۱ طرح چوب(خاص)

PF-۱۲ بیاض

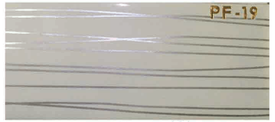
PF-۱۳ راش

PF-۱۴ چوب روس

PF-۱۵ افرا

PF-۱۷ موج سفید

PF-۱۸ سفیدشطرنجی



PF-۱۹ بارانی هایگلاس سفید

PF-۲۰ بارانی هایگلاس سیاه

PF-۲۱ گل پاییزی زمینه سفید

PF-۲۳ خاکستری-طلایی

PF-۲۴ زرشکی - قرمز

PVC marbel sheet

PVC marbel sheets are available with 1220 mm and 1830 mm width and 1-8 thickness and in 15 diffrant colors and designs.

Advantages of using marble sheets are :

- Variety in layout and color
- sheets economic justification
- be able to install at all levels
- Resistant to sun rays
- Resistant to fire
- Renewable and reusable
- High strength against impact
- Impervious to vermin
- no need substructure and long life

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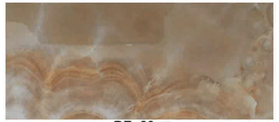
PF-M۰۱

PF-M۰۲


PF-M۰۳

PF-M۰۴

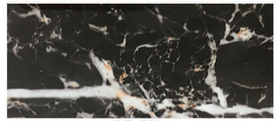
PF-M۰۵

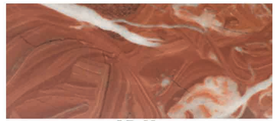
PF-M۰۶

PF-M۰۷

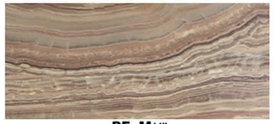
PF-M۰۸

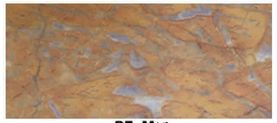
PF-M۰۹


PF-M۱۰


PF-M۱۱

PF-M۱۲


PF-M۱۳


PF-M۱۴

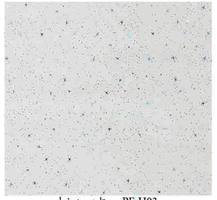
PF-M۱۵

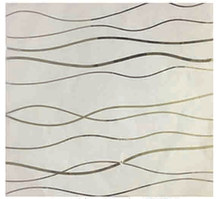
Hot-Stamping foil

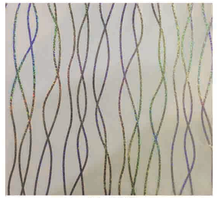
Hot-Stamping foils are available with 21 cm width, 210 cm lenght and in 30 diffrent colors and designs.

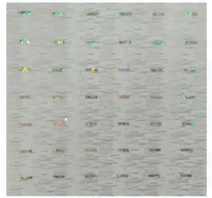
PF-H01 -ستاره درشت

PF-H02 - ستاره ریز


PF-H03 - ستاره ریز خطی

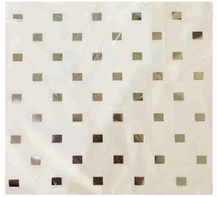

PF-H04 - بامبو سفید بارانی درشت

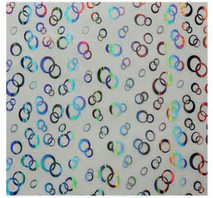

PF-H05 - بارانی ریز


PF-H06 - منها منها زمینه نقره ایی

PF-H07 -منها منها زمینه کرم

PF-H08 - خط دار نقره ایی


PF-H09 - پانچ مربع


PF-H10 -دایره ایی درهم

PF-H12 - گلدار برگی قهوه ایی

PF-H11 - گلدار قهوه ایی

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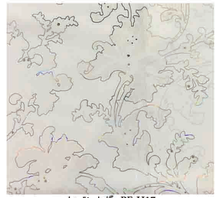
PF-H13 -گلدار برگی آبی

PF-H14 - برقی

PF-H15 دیجیتال

PF-H16 -گل نقره ایی زمینه سفید


PF-H17 -گلدار نقره ایی

PF-H18 گلبرگ آبی

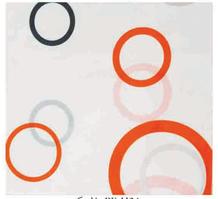
PF-H19 -خطی صورتی سفید

PF-H20 -گل گندم

PF-H21 -سفینه ایی

PF-H22 - شکلات مشهد

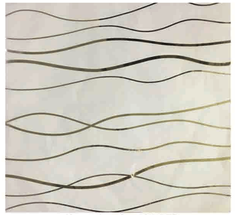
PF-H23 - گلدار شیپوری


PF-H24 -اپتیک

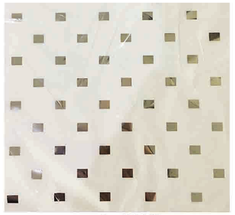
600mm*600mm pvc tile film

Pvc tile films are available with 60 cm width and 60 cm lenght and in diffrent 6 colors and designs.

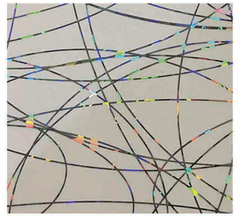
ستاره - PF-H02



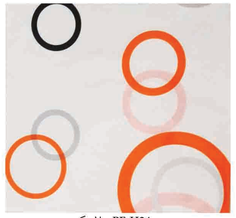
پامو زمینه سفید - PF-H04



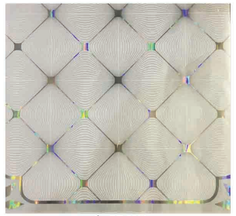
پانچ مربعی - PF-H09



دیجیتال - PF-H15



المپیک - PF-H24



کتیبه - PF-H30

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ISO & Certificates

استانداردها و گواهینامه ها :

پروانه بهره برداری

گواهینـــامه عضویـــت درانجمـــن صنـایع همگـــن

ماشین سازان و تجهیزات پلیمری

گواهینـــامه عضویـــت درانجمـــن تخصصی مراکـز

تحقیق و توسعه صنایع و معادن

دارنـــده گواهینامه ISO10002:200

دارنـــده گواهینامه ISO9001:200

شرکـــت در نمایشـــگاه بیـــن المللی اصفهـــان پـــلاست

شرکـــت در نمایشـــگاه بیـــن المللی تبـــریز پـــلاست

شرکـــت در نمایشـــگاه پلاســـت و پلیمـــر مشهـــد

عضو انجمن صنایع همگن ماشین سازان ایران

دارنده گواهینامه ISO 9001:2008

عضو انجمن تخصصی مرکز تحقیق و توسعه صنایع و معادن

دارنده گواهینامه ISO 10002:2004

APS MACHINE
I.R.I

We decided to establish APS trademark according to strength,speed and quality.
So the best brand is Iranian cheetah.
APS machine is know with iranian cheetah

ALBORZ POLYMER SEPAHAN co

No.7/first sub right/4thst/jey industrial zone
Esfahan/iran
Tel :03135721497-8 , 09139001458-9

www.apsmachine.ir info@apsmachine.ir