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## Extrusion



www.gracepm.com

## GRACE MACHINERY

Focus On The Field Of Plastic Extrusion Machine Manufacturing



**4**

Service Centre



**26**

Overseas Offices



**109**

Business Cover  
Countries & Regions

### Application: pipe and profile

Complete lines for a wide range of plastic pipes and profile  
& tailored solutions for special pipe applications

## COMPANY PROFILE



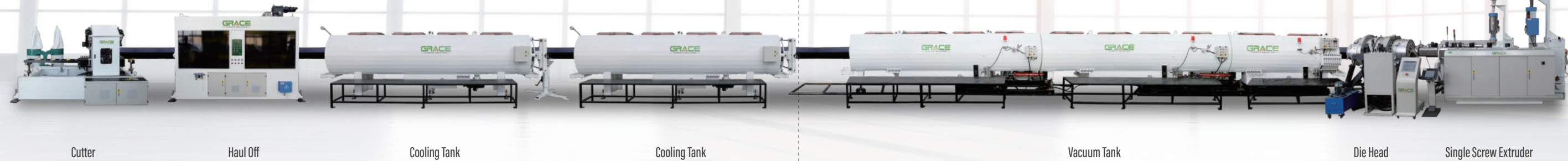
Grace machinery is a leading supplier specializing in quality extrusion products and complete recycling system. We constantly keen on improving our products by using science, technology and "human element" to provide a wide range of products and services to our customers from over 109 countries and regions.

Holding the vision of becoming a top plastic equipment supplier in the world, we not only try our best to meet the demand of the market perfectly, but also strengthen our competitiveness continuously. Relying on years of technical experience, R&D ability, manufacturing process and mold technology, we reflect the marketable applicability and opinion of customers both on the design and manufacture of our products basing on the aim of serving customers.

Strive by perfection, please by virtue, Grace looks forward to cooperating with you!

# HDPE Pipe Extrusion Line 16-1600mm

Through market combination and continuous research innovation, Grace is pleased to provide power saving, and high efficient extruder and whole set extrusion production line with customized design. Based on classical 38D series extruder, we developed 40D series which are widely applied to kinds of polyolefin(e.g. HDPE, LDPE, PERT, PP, PPB, PPH, PP-R, PS pipe production). Grace is capable of producing pipe diameter up to 1600mm, thickness can reach 133mm.



Intelligent Control System



Prouction Analysis



Protection System



Low Energy Consumption

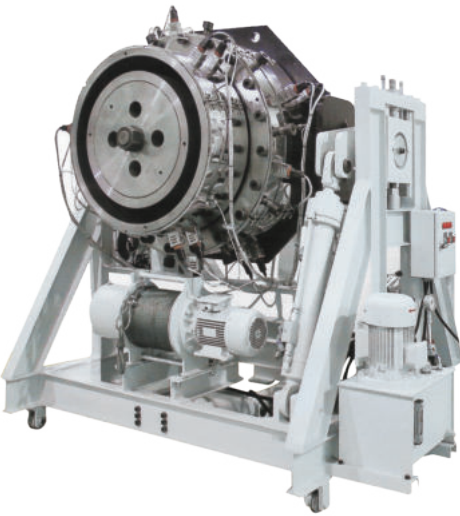


Service Support

## 38D series single screw extruder



## Die Head



## 40D series single screw extruder



- For better plasticizing properties and melt homogeneity
- High-volume extrusion with low melt temperatures 205 degrees Celsius
- Bi-metal alloy barrel with alloy coated screw for longer service life
- Low energy consumption 15%
- Better ROI

### Technical Parameter-38D

Extruder Type	Max.Capacity (KG/H)	Power (KW)
GMSE60/38	400	110
GMSE75/38	650	160
GMSE90/38	900	250
GMSE120/38	1200	355

### Technical Parameter-40D

Extruder Type	Max.Capacity (KG/H)	Power (KW)
GMSE75/40	1200	315
GMSE90/40	1800	450
GMSE120/40	2200	560



# PVC Pipe Extrusion Line 16-1200mm

Grace adheres to "scientific innovation" business philosophy, constantly innovates through stability of PVC pipe production technology and research of new technology Grace has developed fully set of machines and production process for M-PVC, C-PVC and O-PVC Diameter can reach 1200mm and wall thickness up to 30mm, turn-key solution is pleased to be provided.



Intelligent Control System



Production Analysis



Protection System



Low Energy Consumption



Service Support



## Conical Twin Screw Extruder



## Die Head



## Parallel Twin Screw Extruder



### Technical Parameter - GMTE

Extruder Type	Max.Capacity (KG/H)	Power (KW)
GMTE65/132	250	37
GMTE80/156	450	55
GMTE92/188	800	110

### Technical Parameter - GMPT

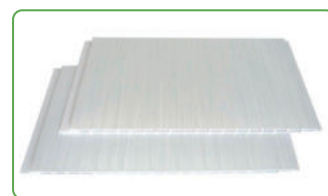
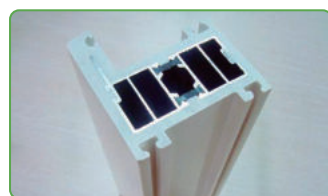
Extruder Type	Max.Capacity (KG/H)	Power (KW)
GMPT75/36	500	45
GMPT90/36	800	75
GMPT114/36	1200	110
GMPT135/28	1600	160





## PVC Profile Extrusion line(Windows Profile Technical)

Grace makes continuous research and innovation to customized extrusion process according to different demands, which includes: soft PVC profile extrusion, rigid PVC profile extrusion, soft-hard co-extrusion, die extrusion and co-extrusion mold, foam extrusion, multi-layer co-extrusion and etc. For all kinds of PVC profile and board, special designed screw has excellent shearing and plasticizing effect, to ensure the quality of the products; high speed cooling of extrusion and calibration mould makes the production lineal speed faster and more efficient.



### Technical Parameter-GMPT

Extruder Type	Max.Capacity( KG/H)	Power(KW)
GMPT75/26	200	30
GMPT90/26	350	55
GMPT114/26	500	75

## PE/PP/WPC Profile Extrusion Line

With growth of population and over-exploitation of resources, how to further protect forest vegetation becomes particularly important; Wood-plastic products, as an alternative to traditional wood products, has greatly reduced human consumption; Grace has specially designed customized PVC wood-plastic foam and PE PP wood-plastic cold push extrusion. The width of product up to 1220mm.

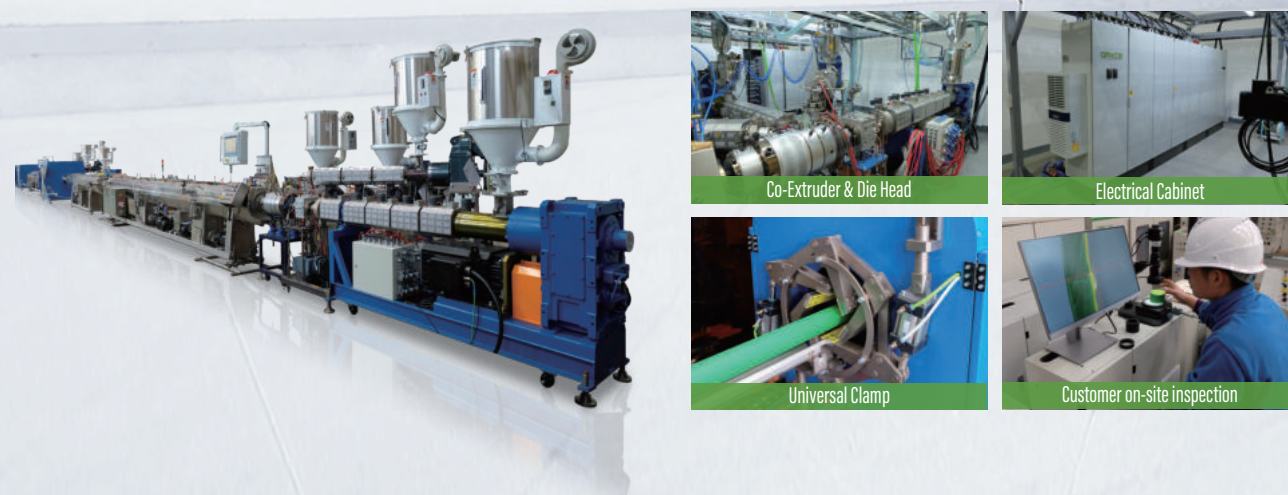


### Technical Parameter-GMTE

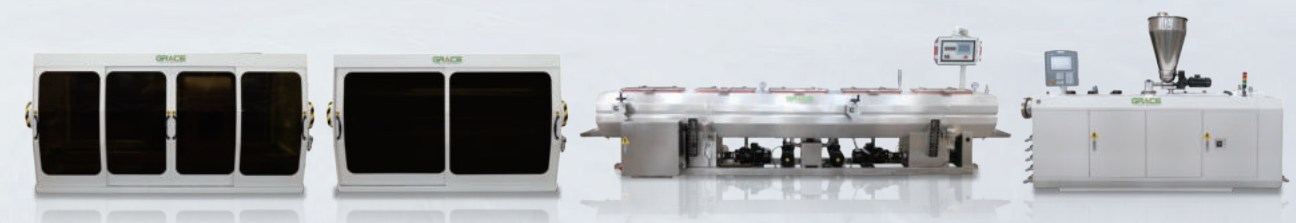
Extruder Type	Max.Capacity( KG/H)	Power(KW)
GMTE65/132	250	37
GMTE80/156	450	55
GMTE92/188	800	110



## Multilayer Pipe Extrusion Line (Up To 7 Layers)



## CPVC Pipe Extrusion Line



## Multistrand Pipe Extrusion Line (Up To 4 Cavities)



## OPVC Pipe Extrusion Line

