

› MAIN PROFILE EXTRUSION LINES AVAILIABLE

1. WOOD PLASTIC COMPOSITE
2. PVC FOAM PROFILES
3. PVC WINDOW / DOOR COMPLETE PLANT
4. PVC RIGID / FLEXIBLE PROFILES
5. PVC TRUNKINIG COMPLETE PLANT
6. PS FOAM PICTURE FRAME AND BUILDING / DECORATION PROFILE
7. ALL KINDS OF PROFILE DIE

› MAIN PIPE EXTRUSION LINES AVAILABLE

1. HDPE / LDPE PIPE RANGE TO MAX. DIA. 1200mm
2. PVC PIPE RANGE TO MAX. DIA. 630mm
3. LDPE COSMETIC TUBE
4. PU PRECISION TUBE
5. HDPE STEEL PIPE COATING SYSTEM
6. PC TRANSPARENT TUBE
7. FLEXIBLE PVC TUBE AND REINFORCED HOSE
8. RIGID / SOFT PVC SUCTION HOSE
9. PVC MEDICAL TUBE
10. PVC DIE UPTO DIA. 630mm
11. PE DIE UPTO DIA. 1200mm

› MAIN COMPOUNDING LINES AVAILABLE

1. PVC COMPOUNDING
2. PE COMPOUNDING
3. WPC COMPOUNDING
4. ABS COMPOUNDING
5. EVA COMPOUNDING
6. CPVC COMPOUNDING

› PLASTIC NET AVAILABLE

1. STRETCHED / SQUARE NET
2. KITCHEN FILTER NET
3. MULTI-FUNCTION ARGYLE NET
4. NET PIPE
5. FRUIT NET
6. NET BAG BOTTOM SEALING

› ACCESSORIES

1. MIXER AND COOLER
2. PRINTING MACHINE



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# EM-LMF-20 Laser Marking Machine

## Comparison

	Laser	Ink Jet
Best for	Most applications non-contact	High speed moving parts
Mark quality	Excellent	Average
Materials	Most materials	Most materials
Mark permanence	Permanent	Marking can be rubbed off in time
Speed	Fast	Fast
Integration	High flexible system for production line and also programming and remote operation	Basic mark control
Consumables	None / Runs off a standard 220V outlet	Inks (cost high)
Maintenance	Clean and easy	Easy to get stains, and the nozzle may stuck

## EM-LMF-20 Fiber laser marking machine for extrusion Main technical parameters

	Specification
Laser wave length	1064 nm
Modulation frequency	20 kHz~200 kHz
Laser output power	20 W
Marking scope	110 x 110 mm (150 x 150 mm / 200 x 200 mm)
Laser sources	Yb-doped fiber laser
Laser head	Galvo scanning system
The minimum focus facula diameter	20 μm
Minimal character	0.1 mm
Scanning speed	≤9000 mm/s
Marking depth	0.01 mm - 0.2 mm
Continuous working hours	24 HRS
Laser unit theoretical life time	100,000 HRS
Cooling ways	Internal air cooling
Power supply	AC200V±10%, 50 Hz
Input power	500 W
Support vector file format	PLT, DXF etc
Package	Standard crate for export
Effect of code	It may turn color by laser additives (marking effect depends on how the material behaves when absorbing laser energy)

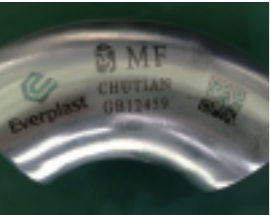
All marking limits and results vary from actual operation and material features



## Advantages

Advanced fiber laser technology for extrusion line

- A. Special design for plastic pipe / profile extrusion on-line application.
- B. Working on various materials like PE, PP, PPR, PVE, Nylon, Copper, Stainless Steel...etc.
- C. Compact and simple structure to be easily integrated with production line.
- D. Easy computerized editing feature with Text, Logo / Barcode and Variables like date / serial number marking.
- E. Laser beam with accuracy in micron for precision marking.
- F. Industrial-grade touch screen with user friendly operation.
- G. No waste, no refill, saving energy, long operation file, clean and easy to maintain.



## Application

Working on various materials and provide a total solution for your production line.

	Material	EM-LMF-20		Material	EM-LMF-20
Plastic	PVC	Excellent	Metal	Stainless steel	Excellent
	PP	Good		Aluminium	Excellent
	PE	Good		Copper	Acceptable
	PBT	Excellent		Ceramic	Good
	ABS	Excellent	Other	Wood	Acceptable
	PS	Excellent		WPC	Good
	PPR	Good			

\* light / original color PE / PP has bad absorption of laser energy, the marking performance depends on masterbatch or material.