

Yugma 
Impressions®



INTRODUCTION

Marking signifies a product. A product marked with the manufacturer's name or emblem; serial number or batch number and the manufacturing date etc., gives its own impression. Keeping this unique idea in mind, Yugma has started manufacturing Electro Chemical Etching Machines, which enables you to mark your products aesthetically, permanently and cost effectively. The system is based on electro chemical process in which the image of stencil is transferred to an electrically conductive product by the action of electrolyte and electricity. Decorative, long lasting marks are possible for all the surface profiles. Metallic items like cutlery, drills, taps, tools, engine valves, medical instruments, sanitary hardware, gears, ball bearings etc., can all be marked through customized, Automatic or Semi-automatic attachments to suit one's application. All these machines are largely accepted because of their competitive price and best quality.

We are proud to state that our company develops a good product and supports it thereafter.

INTRODUCTION



MANUAL ETCHING MACHINES

Yugma Mark - 6

Cost Effective

It is an extremely low cost solution for small component.

Features :

1. Low Power Transformer with AC Voltage regulator only (5-10V)
2. Black Etching Only
3. Compact Model, very user friendly for small batch production.



Yugma Mark - 1

Cost Effective

It is an extremely low cost/ economical and suitable for small batch production.

Features :

1. Medium power transformer with AC Voltage regulator for controlling the etching depth (5-25V).
2. Etching process is limited only for black marking.
3. An user friendly controller.



Yugma Mark - 2

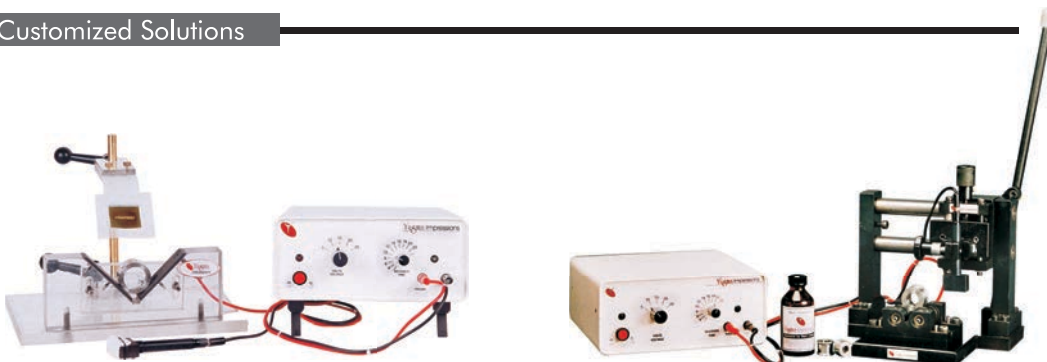
A new unit designed for medium batch production or medium volume user.

Features :

1. Medium power transformer with AC/DC Voltage for Black and White marking (5-25V).
2. Special timer to control the cycle time and etching depth as well.



Customized Solutions



CONSUMABLES

Yugma Make Stencils And Electrolyte

Electrolyte :

It plays a vital role in electro chemical etching process. Depending upon the material and its properties like hardness, plating, Coating, we can make firm recommendation of electrolyte. Electrolytes are available in different grades i.e. Gr-I, Gr-II and Gr-III etc., according to their application.

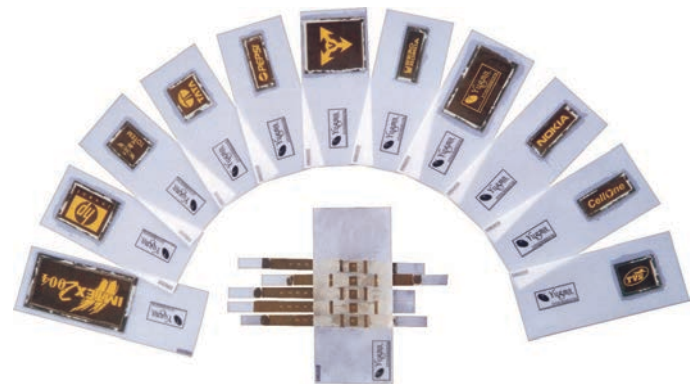
Marking Head :

The Marking head is made of special conductive material called Graphite and available in different shape and size suitable to your requirement.

Photographic Stencils :

For marking numbers, dates or serial number, we can supply you the permanent stencil of long life, clean and high resolution work. If you want to make your own stencil we can supply you the stencil paper which can be printed with the help of Dot-Matrix printer or typewriter.

Our other range of accessories is completed by the necessary marking felt and stencil cap that allows contrast marking to perfect marking depth.



DOT PIN MARKING MACHINE



YI-08T

Yugma YI - 08T

Technical Specification

1. Marking Specifications: YI -08T
2. Marking window: 100X100
3. Height adjustment: 200mm
4. Imprinting power: 100 N
5. Standard Stylus: PH-16
6. Imprinting surface variance: 3mm
7. Electrical connection: 240v
8. Air connection: up to 6 bar



YI-09T

Yugma YI - 09T

Technical Specification

1. No need PC (computer).
2. Need air compressor or air pressure.
3. Marking Area:100x100mm
4. Imported Harden Pin Head
5. Height adjustment: 200mm
6. Imprinting power: 100 N
7. Standard Stylus: PH-16
8. Imprinting surface variance: 3mm
9. Electrical connection: 240v
10. Air connection: up to 6 bar



YI-08TCY

Yugma YI - 08TCY

Technical Specification

1. Marking speed 30~40mm/s
2. Marking depth 0.01~2mm (depends on the different materials)
3. Marking contents characters, alphanumeric, date, numbers, serial
4. NO,VIN code etc. Inputting air pressure 0.3-0.6MPa
5. Marking area (mm) 125mmx85mm/150mm x130mm/
6. 200mm x150mm/300mm x 200mm (customized support)
7. Up and down lifting height 0-300mm
8. Materials request below HRC60 metallic and non-metallic materials (above HRC60 need special stylus)
9. Whole machine power 200W
10. Work power AC220V±10%50Hz

Marking samples



Suitable materials and application

Dot pin marking machine which can make logo (Characters, letters, VIN code, Serial numbers, date and graph) on work piece (metal / no-metal materials) permanently. Programmable Marking.

DOT PIN MARKING MACHINE



YI-09TCY

Yugma YI - 09TCY

Technical Specification

1. Marking speed 30~40mm/s
2. No need PC(computer).
3. Need air compressor or air pressure 0.3-0.6MPa
4. Marking depth 0.01~2mm (depends on the different materials)
5. Marking contents characters, alphanumeric, date, numbers, serial No,VIN code etc.
6. Marking area (mm) :150x90mm
7. Optional area: 200x150mm, 300x200mm
8. Machine power 200W
9. Work power AC220V±10%50Hz



YI-10T

Yugma YI -10T

Technical Specification

Portable Marking surface:

1. Flat surface / Curved surface (height difference 3mm).
2. Usage: Car VIN code, Engine code, chassis code or Metal harden surface.
3. Move anywhere if needed.
4. Need PC (computer).
5. Need air compressor or air pressure.
6. Marking Area : 130x30mm optional:140x60mm,140x80mm
7. Imported Linear Slider Choice: 1) Taiwan HIWIN/ Korean SBC



YI-11T7IN

Yugma YI -11T7IN

Technical Specification

Portable Marking surface:

1. Flat surface / Curved surface (height difference 3mm).
2. Usage: Car VIN code, Engine code, chassis code or Metal harden surface.
3. Move anywhere if needed.
4. No Need PC(computer).
5. Need air compressor or air pressure.
6. Marking Area: 120x30mm optional:140x60mm,140x80mm
7. Imported Linear Slider Choice: 1) Taiwan HIWIN / Korean SBC

Technical Parameters

Model	YI-08T	YI-08TCY	YI-09T	YI-09TCY
Application Marking Surface	Flat Surface	Curved Surface	Flat Surface	Curved Surface
Marking Speed	2-5 Characters (2x2mm)/s			
Marking Depth	0.02-2 mm (adjustable)			
Stylus Pin Hardness	HRA92/HRA93			
Marking Area	140x80/150x90/200x150/300x200/400x300mm(Optional)			
Power	300W			
Power Type	Pneumatic/Electric			
Controller	Windows 7 & Windows XP 7.5" LCD touch screen controller			
Operation Software	ThorX6/7 or KING8			

DOT PIN MARKING MACHINE



YI- Flange Marking Machine

YI- Flange Marking Machine

Technical Specification

Marking Window: 120x180
 Rotary Diameter: 100 to 500mm
 Rotary Weight Capacity: 62 kg
 Vertical Height Adjustment: 300
 Horizontal Adjustment: 300
 Rotating Head: 360 degree
 Imprinting Power: 100N
 Standard Stylus: PH-16
 Imprinting Surface Variance: 3mm
 Electrical Connection: 240V / I Phase
 Air Connection: 4 to 6 bar



PMK-01
Inbuilt Touch Screen Controller



Portable inbuilt
screen Touch

YI- Inbuilt Touchscreen Machine

Technical Specification

Marking Window: 150x70/150x100
 Machine with Magnets
 Imprinting Power: 100N
 Standard Stylus: PH-16
 Imprinting Surface Variance: 3mm
 Electrical Connection: 240V / I Phase
 Air Connection: 4 to 6 bar



YI- PHDS



YI- PHDS

YI- Two in one Dot peen Marking Machine

Technical Specification

Marking Window: 120x40/140x70
 Machine with Magnets
 Imprinting Power: 100N
 Standard Stylus: PH-16
 Imprinting Surface Variance: 3mm
 Electrical Connection: 240V / I Phase
 Air Connection: 4 to 6 bar

Marking samples



FIBER LASER MARKING MACHINE



YI-LF20 WITH AUTOMATION

Yugma YI - LFS20 with Automation

Technical Specification

Yugma KT-LFS20 With Automation is designed to meet the needs of customers with existing production lines, as well as for customers looking to build new production lines. Our technology offers a complete production line solution for a host of industries.

1. Completely Automatic system
2. Advance coding system
3. High speed transport and marking system



YI- LASER INDEXING AUTOMATION

YI - Laser Marking Indexing Automation

Technical Specification

20W Raycus Fiber laser Indexing machine

1. Making depth : around 0.05mm, below 0.1 mm
2. Laser Wavelength: 1064nm
3. Laser Output: < =20 W Raycus
4. Max Marking Speed: 9000mm/s
6. Cooling : Air cooling
7. Laser Repetation Precision: +- 0.0001mm
8. Motorized column for up and down
9. Safety Sensors.
10. IO port for PLC communication.



YI-LFS20



Rotary Chuck

Yugma YI - LF20

Technical Specification

20W Raycus Fiber laser marking machine (stand Alone)

1. Making depth : around 0.05mm, below 0.1 mm
2. Laser Wavelength: 1064nm
3. Laser Output: < =20 W Raycus
4. Marking Area : 150*150 mm, 200*200 mm, 300*300 mm (Depend on Wattage of machine)
5. Max Marking Speed: 9000mm/s
6. Cooling : Air cooling
7. Laser Repetation Precision: +- 0.0001mm
8. Marking for inner/outer diameter (Rotary chuck optional)

Marking samples



Suitable materials and application

It is widely used in fields that have high requirement on depth, smoothness and fine, such as clock and watch, mould, bitmap marking, etc.

UV / CO2 LASER MARKING MACHINE



YI-Co2 Laser

Yugma YI-Co2

Technical Specification

- 30W Raycus CO2 laser marking machine (stand Alone)
1. Making depth : around 0.05mm, below 0.1 mm
 2. Laser Wavelength: 1064nm
 3. Laser Output: < = 30 W Raycus
 4. Marking Area : 150*150 mm, 200*200 mm, (Depend on Wattage of machine)
 5. Max Marking Speed: 7000mm/s
 6. Cooling : Air cooling
 7. Laser Repetition Precision: +/- 0.0001mm
 8. Marking for inner/outer diameter (Rotary chuck optional)



YI-UV Laser

YI-UV Laser Marking Machine

Technical Specification

- UV laser marking machine (stand Alone)
Wattage : 3W, 5W
1. Making depth : around 0.05mm, below 0.1 mm
 2. Laser Wavelength: 355nm
 3. Laser Output: < = 3W Raycus
 4. Marking Area : 150*150 mm,
 5. Max Marking Speed: 7000mm/s
 6. Cooling : Air cooling
 7. Laser Repetition Precision: +/- 0.0001mm
 8. Marking for inner/outer diameter (Rotary chuck optional)



YI-FLM

YI-FLM Fly Laser Marking Machine

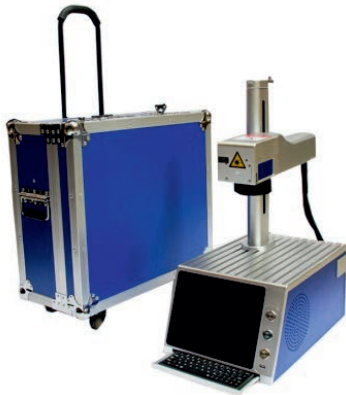
Technical Specification

- Fly laser marking machine with 1000 mm column height.
1. Making depth : around 0.05mm, below 0.1 mm
 2. Laser Wavelength: 1064nm
 3. Laser Output: < = 20W Raycus
 4. Marking Area : 150*150 mm,
 5. Max Marking Speed: 7000mm/s
 6. Cooling : Air cooling
 7. Laser Repetition Precision: +/- 0.0001mm
 8. JCZ Fly function automation card
 9. Touchscreen Display 14 inch

Technical Parameters

Model	YI-LF20	YI-LF30
Power output	20W	30W
Standard marking area	100 mm x 100 mm / 250mm x 250mm / 300mm x 300mm	
Marking Speed	< 9000mm/s	
Frequency of Pluse	20KHZ~100KHZ	
Repeated Accuracy	+0.001mm	
Wave Length	1064+10nm	
Marking Depth	≤0.2mm (Depends on material)	≤0.3mm (Depends on material)
Mini Line Width	0.01mm	
Power Supply	AC220V+10%50Hz or AC110V+10%60Hz	
Operation Temperature	10-350C	
Laser Generator Life	50000~100000 Hours	
System / compatible Formats	Windows XP or 7/AI, PLT, DFX, BMP, JPG, JPEG, PNA, TIF etc.	

FIBER LASER MARKING MACHINE



YI- MINI LASER

YI- Mini Laser Marking Machine

Technical Specification

Mini marking machine with Trolley Based Suitcase.

1. Making depth : around 0.05mm, below 0.1 mm
2. Laser Wavelength: 1064nm
3. Laser Output: ≤ 20 W Raycus
4. Marking Area : 100*100 mm,
5. Max Marking Speed: 4000mm/s
6. Cooling : Air cooling
7. Laser Repetition Precision: ± 0.0001 mm
8. Inbuilt Touchscreen Display 10 inch
9. Compact model for moving purpose.



YI- LF20P

YI- Portable Handy

YI-LF20P Portable Laser

Technical Specification

20W Raycus Portable Fiber laser marking machine

1. Making depth : around 0.05mm, below 0.1 mm
2. Laser Wavelength: 1064nm
3. Laser Output: ≤ 20 W Raycus
4. Marking Area : 150*150 mm, 5. Max Marking Speed: 9000mm/s
5. Cooling : Air cooling
6. Laser Repetition Precision: ± 0.0001 mm
7. Operating System : WinXP/ Win7/Win8/ Win10.



YI- Two in one Laser

YI- Two in one Laser

Technical Specification

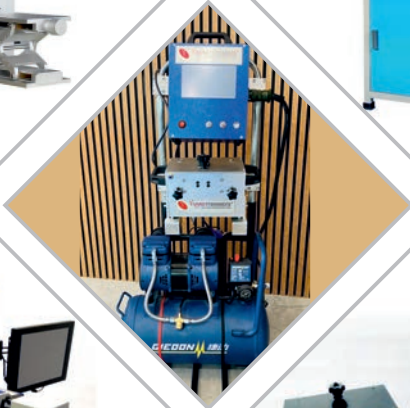
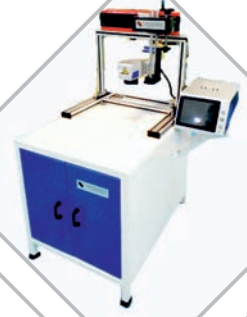
20W Raycus Portable as well as study laser marking machine

1. Making depth : around 0.05mm, below 0.1 mm
2. Laser Wavelength: 1064nm
3. Laser Output: ≤ 20 W Raycus
4. Marking Area : 150*150 mm,
5. Max Marking Speed: 7000mm/s
6. Cooling : Air cooling
7. Laser Repetition Precision: ± 0.0001 mm
8. 3 meter long cable for portable use with supporting stand.
9. Wheel based trolley for moving machine in work station

Marking samples



CUSTOMIZED SOLUTIONS





Mark of Excellence

Yugma Impressions®

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