
TOOL



TYPE

工具型放電加工裝置



Electric Discharge Machining Device

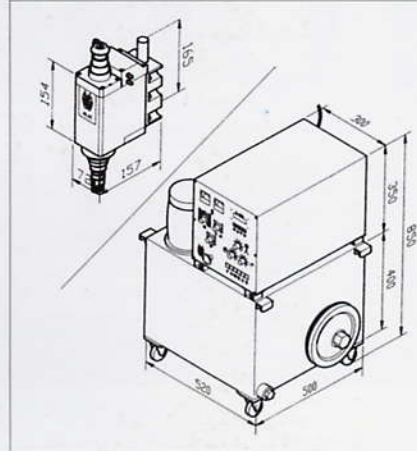


FM-70193

STANDARD OUT SHAPE AND DIMENSIONS

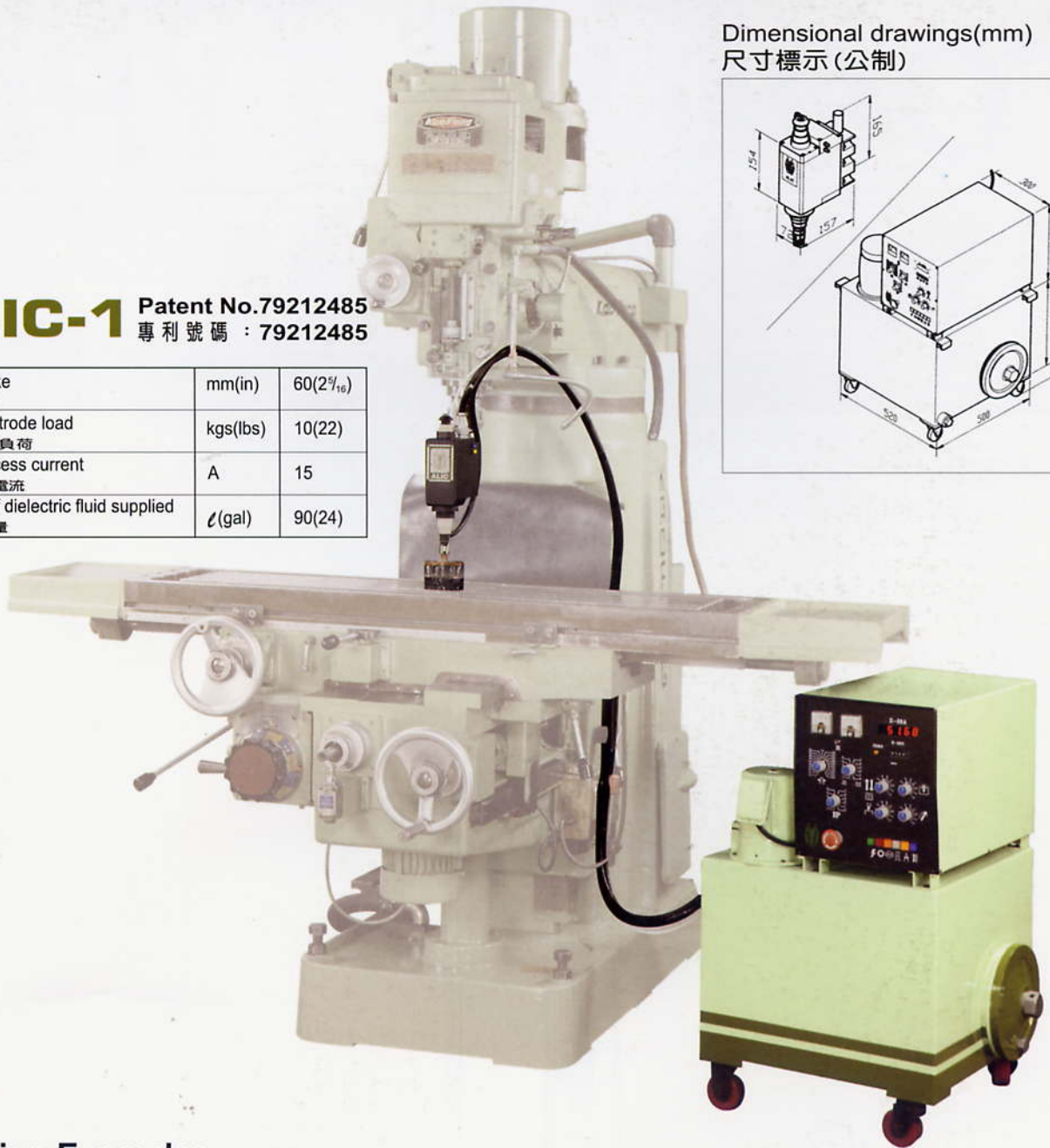
標準外型及尺寸

Dimensional drawings(mm)
尺寸標示(公制)

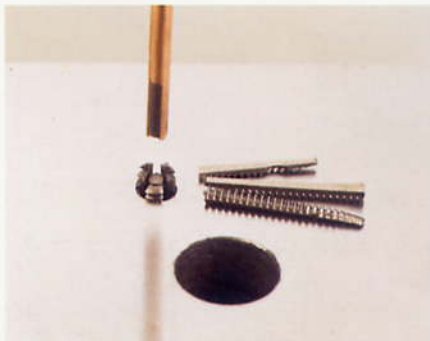


ALIC-1 Patent No.79212485 專利號碼：79212485

Quill stroke 主軸行程	mm(in)	60(2 $\frac{3}{16}$)
Max. electrode load 最大電極負荷	kgs(lbs)	10(22)
Max. process current 最大加工電流	A	15
volume of dielectric fluid supplied 加工液容量	ℓ(gal)	90(24)



Working Examples 工件樣品



* All specifications and designs are subject to change without notice.
*所有規格變更設計恕不另行通知。

FUNCTIONS FEATURES AND APPLICATIONS

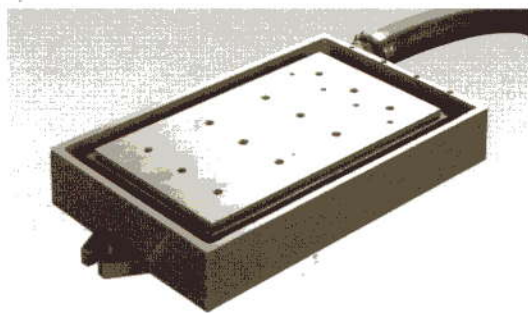
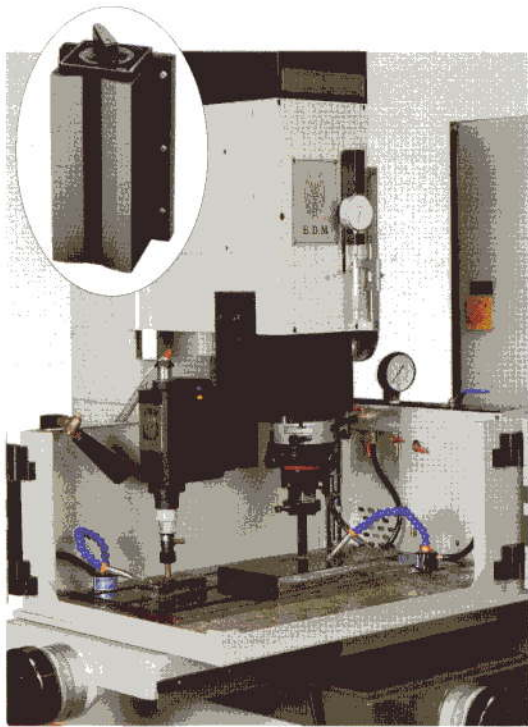
功能特性和應用

Functions and Features

This device can accomplish functions as an E.D.M.

功能與特點

此裝置能達到與放電加工機相同的功能。



Extra Applications of Optional Accessories

The basic E.D.M. device-ALIC-1 can be held on to spindle which processes a collet chuck direct. By means of Z and X, Y Axis of machine tool itself, this device will become an E.D.M.

Also a wide range of extra applications can be done by adopting optional accessories.

選購配件的附加應用

此放電加工機裝置-ALIC-1能藉由筒夾直接將該裝置固定於主軸上且利用機械本身的X.Y.Z軸，使得這裝置成為一部E.D.M.也可附加其他選購附件，廣泛地應用於其他須求。

Parallel Magnetic Base

If the machine tool itself possesses no spindle equipped with collet chuck, for examples, grinding machines, or the original E.D.M. adds to one extra workhead and becomes two sets E.D.M. then one PARALLEL MAGNETIC BASE will be considered to adopt.

平行磁性座

假如機器本身沒有主軸設備及夾頭，例如：研磨機或原始放電加工機另外增加一個磁性座及工作頭即變成兩台放電加工機。

Fluid Returnable Plate

In case the machine tool itself has been equipped with no fluid returnable work table, for example, the radial drill machine than the FLUID RETURNABLE PLATE can be chosen to add to the original work table for the sake of EDMing operation.

加工液回油盤

假如機器本身加工沒有加工液回流工作台，例如：鑽孔機則安裝加工液回油盤於原機械的工作台上即可進行放電加工操作。

■ Other products: (detailed catalogues are available) 其他產品：(歡迎索取目錄)



Auto Z axis NC
function EDM Series



CNC EDM w/SURE
FIRST controller Series



CNC EDM w/SURE
FIRST controller Series



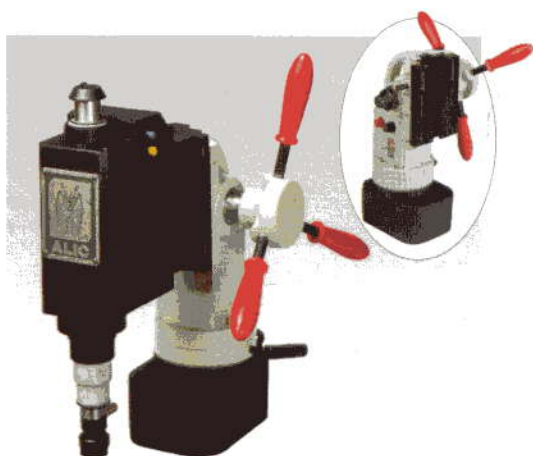
CNC WIRE CUT EDM
Series



CNC GRINDING
CUTTING

FUNCTIONS FEATURES AND APPLICATIONS

功能特性和應用



Portable Magnetic Base

In case the work piece is very big, and can not be machined by conventional E.D.M., then additional PORTABLE MAGNETIC BASE can be adopted to enable the E.D.M. device to place on the big size work piece which needs machining everywhere.

可攜帶的磁性座

如果工件很大，且無法用傳統放電加工機來加工，那麼藉由可攜帶的磁性座，即可將此E.D.M.裝置安裝於大工件上所須加工的任何位置。



Three Axes Slide Assembly

Adopting the E.D.M. device on to a THREE AXES SLIDE ASSEMBLY and installed to a FLUID RETURNABLE PLATE and then, they are composed of a mini type E.D.M.. This is an excellent option for schools. If the full fluid is needed in machining, any kind shape of seal ring can be adopted to achieve this goal. In case there is a possibility of catching fire while machining, it is recommended that the full fluid is necessary to be applied.

三軸滑動組

固定此E.D.M.裝置在三軸滑動組，並安裝於加工液回油盤上即成為一部迷你型的E.D.M.，這將是非常適合學校教學之用。如果機器須要裝滿加工液，使用一個圓筒即可達到這個須求。在加工時有可能會著火，建議在使用時工件必須浸在加工液中。



Adjustable Electrode Holder

The ADJUSTABLE ELECTRODE HOLDER can be added for horizontal and angular adjustment of electrode.

可調整式電極夾頭

可調整式電極夾頭能附加於主軸上以便於調整電極的水平及角度。

目錄)



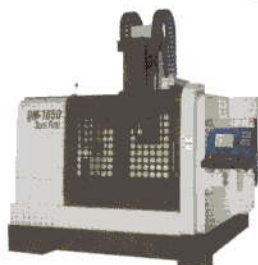
WHITE
MC Series



CNC ENGRAVING
MACHINE Series



CNC GRAPHITE ELECTRODE
MACHINING CENTER Series



HIGH SPEED MACHINING
CENTER Series



SUPER DRILL
EDM Series

STANDARD FEATURES AND CONSTRUCTION

標準功能及構造

Control Panel

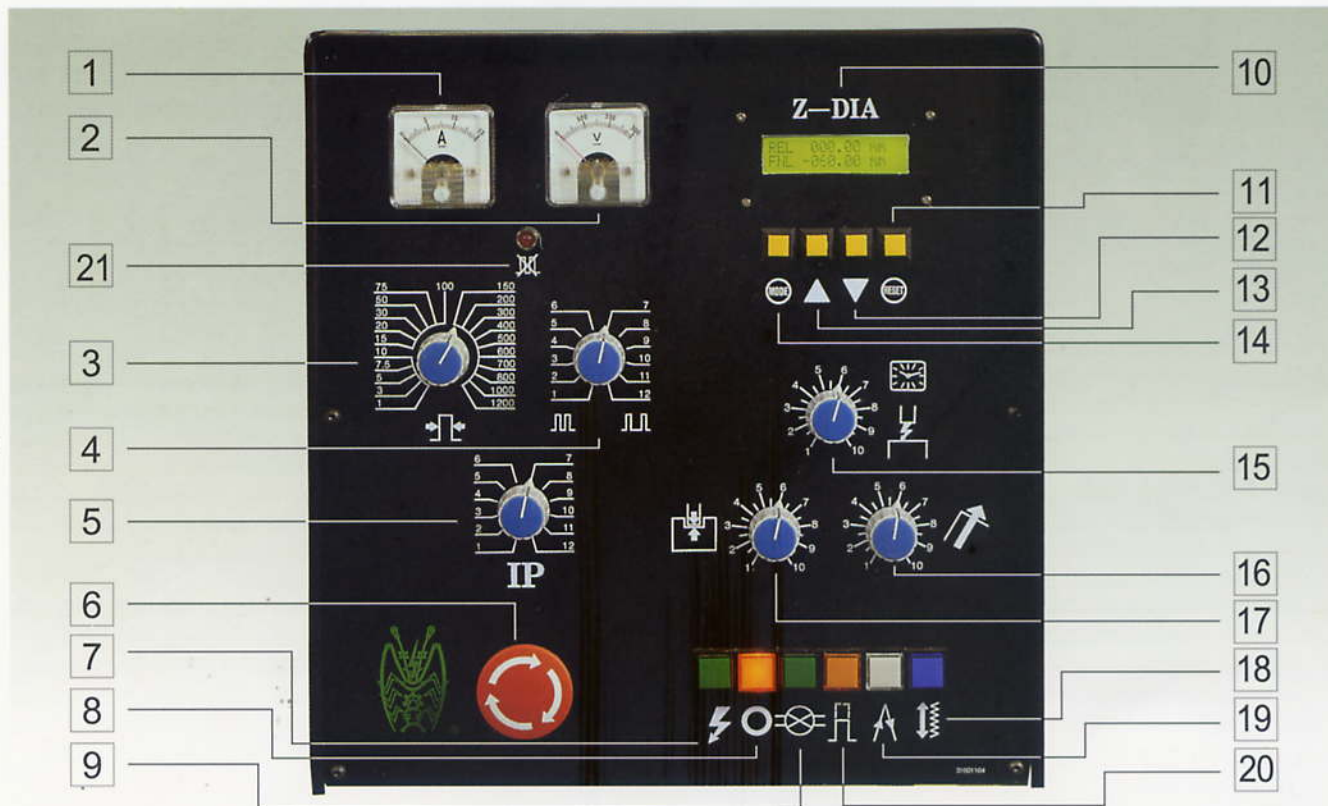
Control panel layout is designed for ease of operation and maintenance.

1. Average current indicator
2. Gap voltage indicator
3. On time
4. Off time
5. Ampere selection
6. Main power-supply / Emergency stop switch
7. Current on/off switch
8. Power and dielectric off switch
9. Dielectric on switch
10. Z Axis display in address
11. Display reset
12. Quill downward (-) setting/ABS position
13. Quill upward (+) setting/Depth machined
14. Display mode selector
15. Working time selector
16. Servo speed selector
17. Gap voltage selector
18. Ram rapid traverse on
19. Ram cyler on/off
20. High voltage current on / off switch
21. ARC indicator

控制面板

控制面板標示清晰容易操作及維護。

1. 電流表
2. 電壓表
3. 脈寬時間
4. 休止時間
5. 電流段數開關
6. 主電源 / 緊急停止開關
7. 放電 on/off 開關
8. 放電及加工油停止開關
9. 幫浦啟動開關
10. Z 軸位置顯示
11. 顯示重設
12. 深度設定 (-) / ABS 位置
13. 深度設定 (+) / 已加工深度
14. 顯示模式選擇
15. 加工時間調整鈕
16. 伺服強度調整鈕
17. 間隙電壓調整鈕
18. 主軸快速開關
19. 主軸跳躍開關
20. 高壓開關
21. 積碳指示器



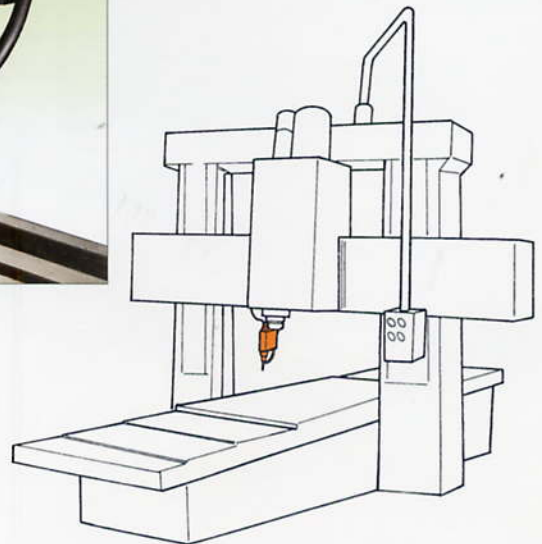
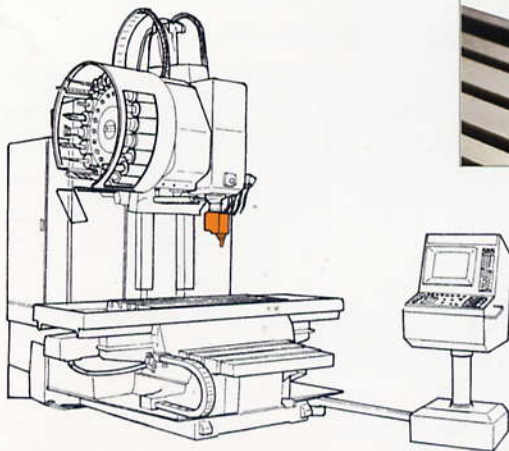
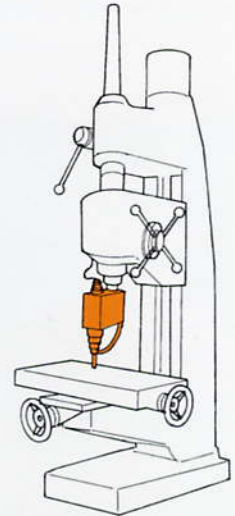
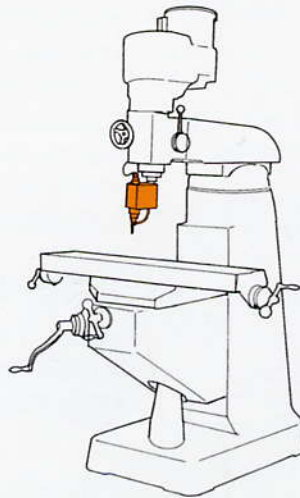
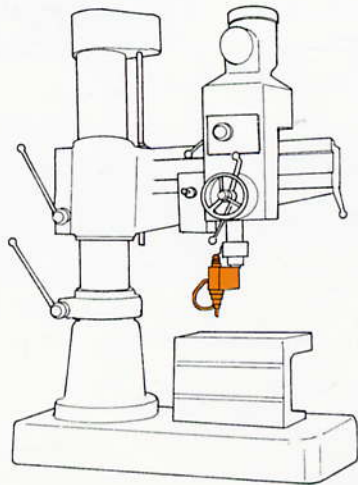
Working Examples

工件樣品



The Tool Type Electric Discharge Machining Device can be attached on to various machine tools as shown below.

此工具型放電加工裝置可安裝於各式各樣的加工機中。



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