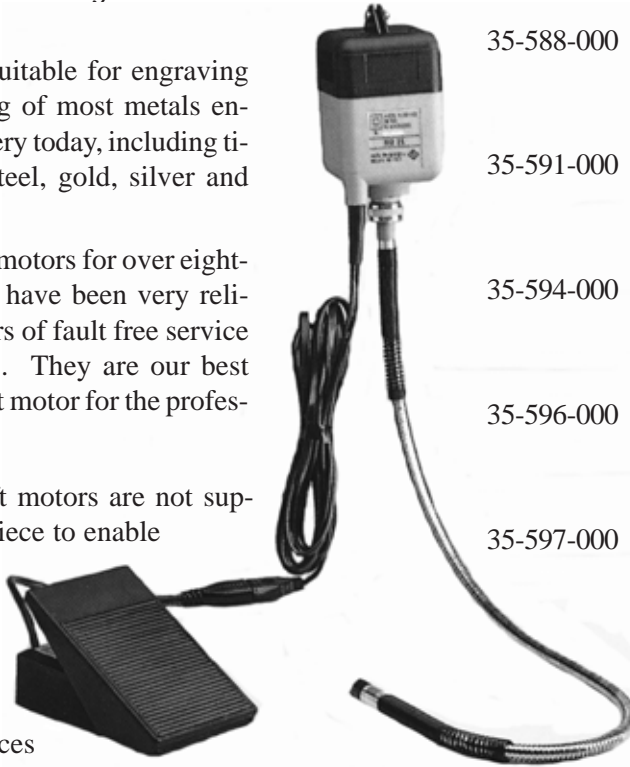


DG - Top Quality Italian Flexible Shaft Motors

These motors are suitable for engraving and for the working of most metals encountered in Jewellery today, including titanium stainless steel, gold, silver and platinum.

We have sold these motors for over eighteen years and they have been very reliable, providing years of fault free service to many customers. They are our best selling flexible shaft motor for the professional jeweller.

These flexible shaft motors are not supplied with a hand piece to enable you to purchase the type of hand piece to suit your needs. Choose from any of the standard slip- joint hand pieces shown on the next page. (p49)



35-588-000 **10 000** rpm, 130 watt complete with 35-652 electronic foot control and heavy duty 5mm inner cable. Weight 2.5kg

35-591-000 **15 000** rpm, 150 watts, complete with 35-652 electronic foot control and heavy duty 5mm inner cable. Weight: 2.5Kg

35-594-000 **18 000** rpm, 180 watts, complete with 35-652 electronic foot control and heavy duty 5mm inner cable. Weight: 2.5Kg

35-596-000 **25 000** rpm, 180 watts, complete with 35-652 electronic foot control and heavy duty 5mm inner cable. Weight: 2.5Kg

35-597-000 **25 000** rpm, 400 watts, complete with 35-652 electronic foot control and heavy duty 5mm inner cable. Weight: 2.5Kg

Replacement Electronic Foot Control Ref: 35-562-000

Will fit any DG flexible shaft motor. Gives much better speed control & is effective down to 1000 rpm.



Faro Flexible Shaft Motor Ref: 35-535-000

Faro has long been the flexible shaft motor of choice for many jewellers. The powerful 300watt motor produces plenty of torque (12 N-cm) for years of trouble free use. Unlike most other brands, Faro favour a side movement foot pedal (rheostat) that provides a 5 stage speed control from 8000 to 22000 rpm.

OR for a little extra, Faro offer the same motor with a Contronic Foot Control that provides speed control from 3000 to 20000rpm

The Faro motor can be used in almost every aspect jewellery making, from cleaning up castings to the most delicate of setting operations.

Flexible shaft inner cable 5mm
Motor Weight 4kg.

Replacement
Carbon Brushes
Ref: 35-535-001

Replacement Foot Control

Ref: 35-650-000 Replacement foot controls for Faro have changed from male to female plug types in recent years. Please check the plug type before ordering.



Adjustable Stands For Flexible Shaft Motors



Screw to Bench Type

Deluxe

Ref:
35-831-000

Economy

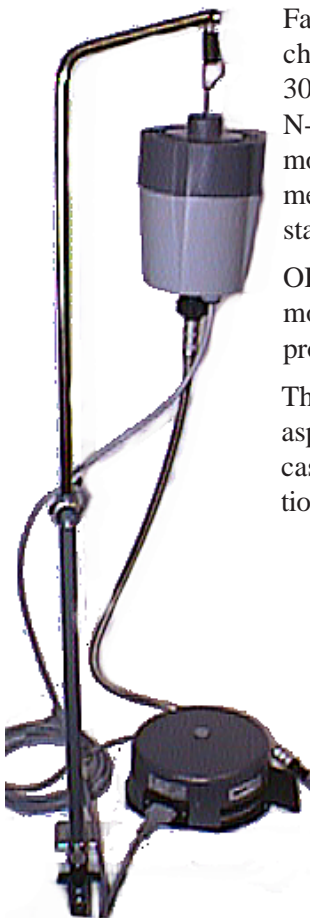
Ref:
35-832-000

Clamp Type

Ref:
35-830-000

Adjustable stands allow the motor to be positioned at the correct height. This ensures that the flexible shaft is not used at low sharp angles which would otherwise reduce operating life of the inner cable.

Approximate shipping weight: 1.5Kg



(Hand piece and stand not included)

Hammering Hand Pieces

All designed for use below 3,000 rpm

DG Top Quality Italian Ref: 35-890-000



This is the most powerful of the hammer hand pieces. Adjustment from heavy to medium/fine can be made. Fits DG and Faro flex-shafts. Supplied with two hammering points which can be shaped to suit the application required. Weight: 70g
Spare Tips Ref: 35-890-001

Faro Ref: 35-892-000

The Faro hammer hand piece while not as powerful as the DG will adjust finer for more delicate work.



Supplied with tapered screw in tip. Fits DG and Faro shafts.
Replacement Tip Ref: 35-892-001
(Faro Replacement Tips are all parallel sided)

Techdent - Top Quality French

Ref: 35-893-000



This Hammer hand piece has greater adjustment ranging from medium/heavy to extra fine. Quieter than other models, the slim longer head gives better access and less chance of damaging stones.



Replacement Tips Ref: 35-893-001

All designed for use below 3000 rpm

Flexdrive Lubricant

Ref: 35-500-000

Many flexible shafts and hand pieces require regular lubrication but it is important to use the right grade of oil.

Flexdrive Shafts

Replacement flexible shafts for DG and Faro Motors can be used with all recognised brands of slip-joint style hand pieces.

For DG Motors

Ref: 35-755-000 Heavy duty shaft with 5mm inner cable 500g

Ref: 35-765-000 Light flexible shaft with built-in hand piece and 4mm inner cable.

For Faro Motor

Ref: 35-758-000 DG cog-shaft will fit Faro motor. Lower cost than the Faro brand. 5mm inner cable.

Ref: 35-810-000 Faro brand replacement shaft with 5mm inner cable. Total weight 400g

Ref: 35-810-001 5mm inner cable only for Faro brand shaft.

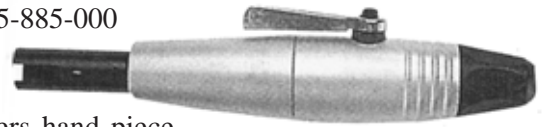
Ref: 35-810-004 Adaptor for older style Faro motors to accept new style cog-shaft (flexible shaft not included)



Rotary Hand Pieces

DG Top Quality Italian Hand piece

Ref: 35-885-000



Jewellers hand piece, T/30, complete with 2.35mm collet. Quick-Release lever with built-in clutch allows you to replace the bur without waiting until motor is fully stopped, thereby reducing stress on motor and hand piece.

This hand piece will also fit onto a Faro flexible shaft.

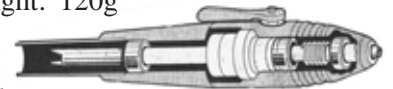
Chuck can be re-tightened if it wears, please ask our staff for instructions. Weight: 120g

Ref: 35-885-001

Replacement chuck 2.35mm

Ref: 35-885-002 Replacement black nose cone.

Ref: 35-885-014 Chuck 3.0mm



Faro

Ref: 35-880-000



Will fit on Di-Gi shaft. 2.35mm chuck.

Quick release lever (no clutch). Weight: 120g

Ref: 35-880-001 Replacement Chuck

Swiss Technique - Precision Model

Ref: 35-957-000



A superb quality precision hand piece for speeds up to 30,000 rpm. Features quick-release lever for fast, easy change of tools

Universal Adapter

Ref: 35-950-000

2.35m shaft with 3



collets. Collets cover range 0.5 to 3.0mm



Badeco Precision Micromotor Ref: 35-567-000

The Badeco M3ASF Micromotor is a highly reliable, powerful, precision tool that has excellent speed control from 2,000rpm to 20,000rpm and provision for 2 hand pieces. The speed can be set by hand and run continuously or switched on and off by foot switch. A selector switch for hand piece #1 or #2 is mounted on the front of the control unit. Standard rotation is to the right however a rear mounted switch allows for left rotation if required. Variable speed (Combi) foot control option is available.

Optional Combi Foot Pedal



This option allows you to set the speed then switch on by moving the foot lever to the right and off by releasing the lever back to the neutral (centre) position. Moving the foot lever to the left will allow variable speed control from 2,000rpm to 20,000rpm.



Made in
Switzerland



Hammer Hand Piece

Ref: 35-567-200

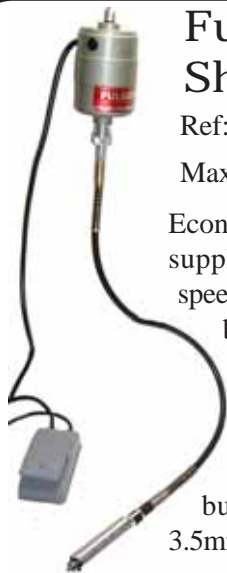
Because of the fine control down to 2000 rpm a precision hammer hand piece head is available as an option. It can be interchanged with the same motor as the rotary head or a separate motor can be purchased.

Fulgor Flexible Shaft Motor

Ref: 35-551-000

Maximum 22 000 rpm

Economy flexible shaft motor supplied complete with foot speed control, lightweight rubberised flexible shaft and replaceable handpiece with key-tightening 3 jaw chuck. Will accept mounted wheels, burs and buffs on shaft sizes up to 3.5mm



Supertool Ref: 35-540-000

The Supertool is ideal for the hobyist and provides a 12 watt motor that operates at 10000 rpm. Power enough for many tasks such as Drilling, Grinding and Polishing. Complete with Eraser sticks, Wire brush, Drills, Engraving/Milling Burs and Five collets for a variety of tools including the industry standard 2.35mm.

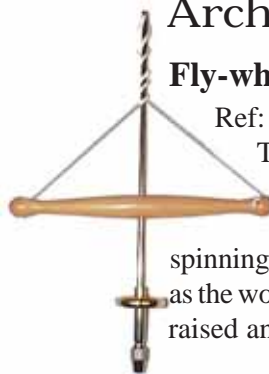


Archimedes Drills

Fly-wheel Type

Ref: 23-020-000 55mm

The perfectly balanced brass flywheel keeps the Archimedes Drill spinning in alternating directions as the wooden handle is smoothly raised and lowered.



Twist Type Drill

Ref: 23-200

Chuck holds drill shanks up to 1.2mm. Overall size 95mm long.



Easy Etch Engraver

Ref: 35-541-000

Special Order

Lightweight easy to use engraver, ideal for Schools, Clubs, Neighbourhood Watch, etc. The engraving bur is inexpensive, easily changed and will engrave on metal as well as plastic.



Pearl Drilling Clamp

A simple and ingenious clamp enabling pearls and similar round stones to be held firmly but gently whilst drilling. 13 diameters ranging in size from 1.5mm to 6.5mm. Ref: 29-470-000



Pearl Drilling Machine Ref: 29-480-000

This new Compact Pearl Drilling Machine has been purpose built to quickly and easily centre and drill holes through pearls and round beads. Save time and frustration by avoiding broken drill bits that result from poor clamping and off centre drilling. Size 220 x 95 x 130mm high. Weight: 5.8kg.



Accessories:

Pearl holders from 4mm to 20mm;

Marathon Multi 600 - Brushless Micromotor

Ref: 35-573-000

Speed: 1,000 – 50,000 min

The rotation speed can be changed variably within the range between 1,000 and 50,000min. Smooth and powerful torque is delivered in low to high speed areas. High speed rotations of 50,000/min at maximum allows precision micromachining.

Low noise, Low vibration - Ceramic Ball Bearing Motor

The hermetically enclosed brushless motor reduces the noise level by 20% compared to conventional models, resulting in quieter, more comfortable work environment.

Self-Diagnosis Function

The unit is provided with a self-diagnosis function to understand the status of the unit and motor on startups and when trouble occurs in consideration of safety.

Auto Cruise Function

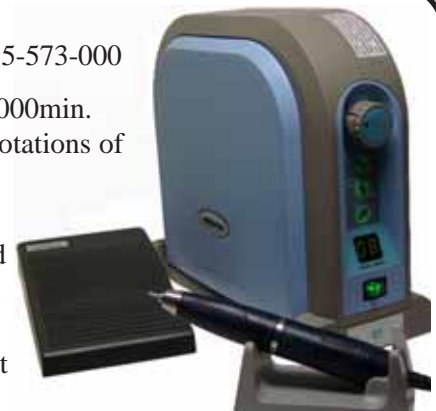
The unit is provided with the AUTO CRUISE function to fix the rotation speed during work with the foot pedal to reduce foot fatigue.

Error Code Display Function

The unit includes an error code display function to check the status of the unit for easy troubleshooting when trouble, such as a failure, overload or wire breakage, occurs.

Hand Piece - Ultra High Torque

- Max. Power: 230W
- Max. Torque: 7.6N cm
- Dimension: L158mm x 27mm
- Weight: 238g



Control Unit: H230mm x W90mm x D270mm



Easy and Simple Front Panel

- Speed control knob
- Hand or Foot selector switch
- Forward/Reverse selector switch
- Motor switch/Auto cruise switch
- Digital speed display
- Power switch LED

Marathon-N7 - Super High Torque Micromotor

Ref: 35-574-000

Designed for prolonged use, the Marathon-N7's super high torque motor runs cool and vibration free with smooth operation even during acceleration from idle to 35000 rpm. The Marathon-N7 is ideal for jewellery workshops with a high output and the need for reliability. You will be delighted with the value this unit provides for a very modest price!

Features include; • **Super High Torque 430gf cm** hand piece(4.2N cm) maximum.

- Automatic safety overload (reset function) with visual indicator light and alarm tone.
- Quarter twist, quick-release bur change
- Non-stage speed control dial continuously variable to 35000 rpm
- Powerful DC 30volt (1.2amp) control box with plastic protective cover
- Compact portable size control box 115 x 147 x 96mm high
- Slimline hand piece 152mm long x 29mm diameter (18mm front)
- Cool vibration free operation for prolonged use
- Forward /reverse switch
- Dual position hand piece rest
- Variable speed foot control
- Light weight; Control box 1.6kg - Handpiece 208g



Escort II - High Torque Micromotor

Ref: 35-575-000

The Escort II has been developed with Marathon's advanced motor technology to accommodate the most demanding of hand engraving work as well as many jewellery workshop applications. The control unit provides a powerful 30volts (0.5amp) while the light 208g; slimline hand piece provides smooth vibration free operation.

Features include; • **High torque 250gf cm** hand piece (2.45N cm) maximum.

- Automatic safety overload (reset function) with visual indicator light
- Non-stage speed control dial (continuously variable to 35000 rpm)
- Powerful 30volt (0.5amp) control box with plastic protective cover
- Compact portable size control box 112 x 147 x 78mm
- Slimline hand piece 150mm long x 29mm diameter (18mm front)
- Quarter twist, quick-release bur change
- Dual position hand piece rest
- Variable speed foot control
- Forward /reverse switch
- Light weight; Control box 1.25kg - Handpiece 208g





Modulgrav Engraving System

Modular design is the way of the future. This flexible precision instrument stands apart from other engravers of today because of its multi-functional, quick change modules.

Featuring:

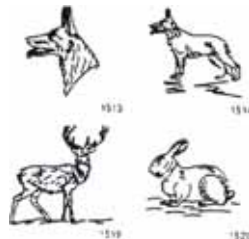
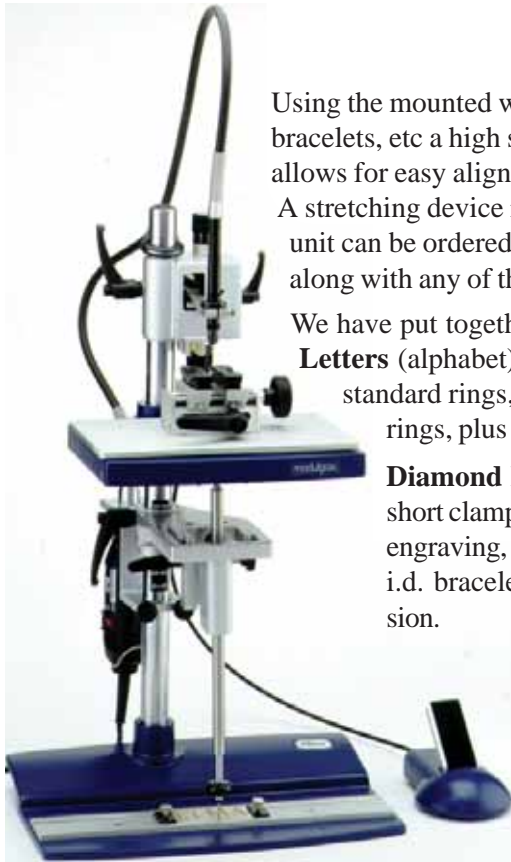
1. **Ring Inside Engraving Module**
2. **Ring Outside Engraving Module**
3. **Diamond Flat Engraving Module**

Special
Order

Using the mounted work plate & diamond scribe to engrave on watch case backs, rings, identity bracelets, etc a high standard is easily achieved as the engraving process is at eye level. This also allows for easy alignment and centering while the writing pin and mouse are on the bench level. A stretching device is also available to stretch the engraving to the exact size required. The base unit can be ordered with any of the 3 options above. The remaining modules can be added later along with any of the numerous lettering styles, stencils, and unique designs.

We have put together a **Modulgrav "Deluxe" Package** that in addition to a **Complete Set of Letters** (alphabet) includes: **Outside Ring Module - Inside Ring Module** with clamps for standard rings, wide rings and special shape rings, plus equalizer to centre rings.

Diamond Flat Engraving Module with short clamping attachment, scale for round engraving, diamond holder for plates, baby i.d. bracelet clamps and diamond extension.

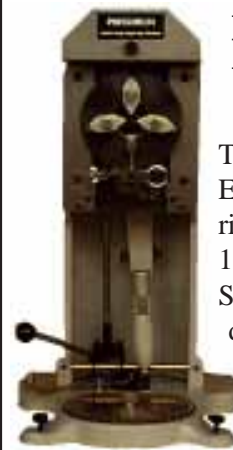


Inside Ring Engraver

Ref: 30-100-000

The Standard Inside Ring Engraving Machine has a ring holding capacity from 19 to 44mm .

Supplied complete with double sided template disc for 1mm and 2mm size lettering.



Firescan Laser Engraving

This new Laser technology means that manufacturers can engrave a hallmark, Logo and a serial or product number neatly inside each ring in less than 10 seconds. The design is "drawn" on the computer using any of a large range of fonts and then reproduced inside the ring.



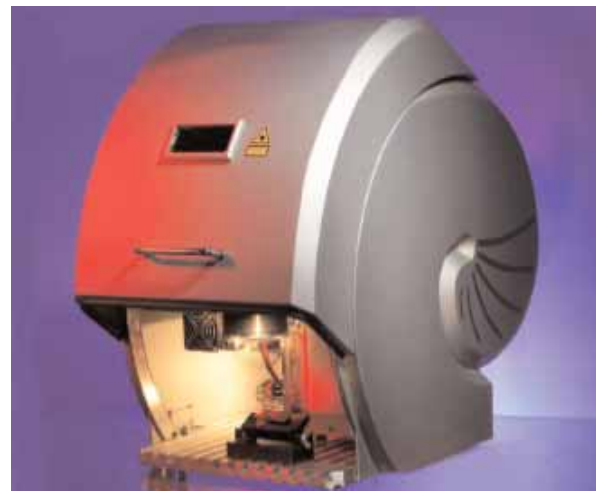
Firescan is controlled with a standard size PC or Notebook

SiroLasertec *

Laser marking is a permanent, chemical resistant marking system that can be used on most metal surfaces. Price range of this equipment is around \$55 000.00 to \$60 000.00.

Nautilus - Laser Inscription and Engraving

Suitable for engraving on Titanium, Stainless Steel, Gold and Silver the Nautilus inscription and engraving laser is an all inclusive laser system providing pilot beams, work chamber with motorised z-axis and software.



Nautilus overall size 690 x 390 x 630mm
Marking field 70 x 70 x 725 dpi

Special
Order