STANDARD AND CUSTOM SOLENOIDS FOR OEM APPLICATIONS
THE COMPANY

Penny+Giles are the UK’s leading supplier of solenoids - with manufacturing facilities in both Europe and Asia. Our solenoid business was originally founded in 1918, and was more recently known as the Mechettronics brand. The business has earned its reputation by designing and manufacturing reliable, cost-effective solutions across a wide variety of applications. These include automotive, safety and security, MV switchgear, coin handling, vending, fluid power and business machines.

SOLUTION DEVELOPMENT

The engineers at Penny+Giles specialise in providing customised solutions to suit any application. They are on hand to use their decades of experience to advise on the correct selection. In addition, Penny+Giles has undertaken Electro-Mechanical assembly work for more than 30 years; from complex mechanical assemblies to PCB’s and simple connectors.

Quality

Penny+Giles quality systems are accredited to BS EN ISO9001:2008. Our commitment to quality is the foundation of our business, ensuring the reliability of our products from initial design to final dispatch.

China

We now manufacture an increasing amount of our high volume solenoid products at our facility in Zhuhai, China - although all product design, modeling, sampling and tool design is completed in the United Kingdom.

Customer Service

Our speed of response extends to deliveries too, with world class levels of service to meet your expectations. With worldwide representation and strategic alliances in several major countries, Penny+Giles is truly an international company.

Product Range

The next page shows a small selection of our standard product range. As the UK’s leading linear motion solutions provider, our experience suggests that you may need a variant based on one of our standards or a fully customised design. In either event we offer cost effective customised solutions as standard.
### OPEN FRAME

**GC0416**
- Pull or thrust types available
- Optional voltage ratings: 16mm x 8mm x 12mm
- 100% power 0.8 watts dc
- 0.03N force at 1mm stroke

**GD0420**
- Pull or thrust types available
- Optional voltage ratings: 20mm x 11mm x 10mm
- 100% power 1.1 watts dc
- 0.2N force at 1mm stroke

**MD0837**
- Pull or thrust types available
- AC option available
- 37mm x 26mm x 21mm
- 100% power 5.2 watts dc
- 1.0N force at 6mm stroke

**MD1764**
- Pull or thrust types available
- Bearing mounted version available
- 64mm x 41mm x 48mm
- 100% power 19 watts dc
- 3.0N force at 12mm stroke

### TUBULAR

**MT0525**
- Thrust type operation
- Optional voltage ratings: Ø 13mm x 25mm
- 100% power 2 watts dc
- 0.2N force at 4mm stroke

**GT1152**
- Pull or thrust type operation
- AC option available
- Ø 25mm x 52mm
- 100% power 3.8 watts dc
- 2.0N force at 4mm stroke

**MT26110 (Model M60)**
- Pull or thrust types available
- AC option available
- Ø 60mm x 114mm
- 100% power 23 watts dc
- 6N force at 30mm stroke

**GT34102 (Model CS80)**
- Pull or thrust types available
- Bellows and feet available
- Ø 80mm x 102mm
- 100% power 37 watts dc
- 37N force at 30mm stroke

### AC LAMINATED

**ML1441 (Model TT2)**
- High force, small size
- Flying leads or tags
- 41mm x 14mm x 37mm
- 100% power 9 watts ac
- 4N force at 10mm stroke

**ML2566 (Model TT10)**
- Flying leads or tags
- Optional voltage ratings: 66mm x 25mm x 75mm
- 100% power 28 watts ac
- 56N force at 20mm stroke

### LATCHING SOLENOIDS

**GK0641**
- Pull or thrust types available
- Bi-stable latching
- Optional voltage ratings: 41mm x 13mm x 16mm
- Long life characteristics

**GK1037**
- Pull or thrust types available
- Permanent magnet latching
- 37mm x 20mm x 26mm
- 6N force at 3mm stroke
- 100% power at 4 watts dc

### SOLENOID VALVES

**MVSD298**
- Pneumatic solenoid valve
- Applications include ATM’s & ABS
- DIN standard connections
- Long life
- 2/3 port configuration

**GV0624**
- 2 or 3 way
- 2 way orifice 0.75mm
- 3 way orifice 0.9mm
- 0.4mm stroke
- 24mm x 20mm x 16mm

### OTHER

**HOLDING MAGNETS**
- AC option available
- Optional connectors
- IP65 protected
- Ø35 to 95mm
- Holding force 150 to 1200N

**SPECIAL SOLENOIDS**
- Interlocks
- Shotbolt locks
- Value-added assemblies
- Fully customized designs
www.pennyandgiles.com

Penny+Giles
Solenoids, joysticks and position sensors for commercial and industrial applications.

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Innovation In Motion