

Uni-Seals Product Catalog

Category: Machine



UNI-SEALS

Unimax International Limited

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Automatic Winder for SWG**MA0101 Automatic winder for SWG**

For making spiral wound gaskets with or without inner & outer ring.

High quality molds for certain sizes are attached.

Automatic work controlled by computer after parameters are set in the control panel.

Especially suitable for production in large batch and with few specifications.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 1.6×1.2×1.7m.
3. N.W.: approx. 700kgs.
4. Line speed: Transducer controlled.
5. Working range: Min. ID: 50mm, Max. OD: 500mm, thickness 4.5mm.
(Normally for ASME B16.20, from 2" to 18", other standard on request)

Small Winder for SWG**MA0102 Small winder for SWG**

For making spiral wound gaskets with or without inner & outer ring, no complex molds needed.

Working pressure controlled by air compressor.

Need additional welder to work together.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 0.8×0.8×1.6m.
3. N.W.: approx. 400kgs.
4. Line speed: Transducer controlled.
5. Working range: Min. ID: 12mm, Max. OD: 300mm, thickness 4.5mm, 3.2mm.
Other thickness such as 2.5 or 7.5mm is also available on request.

Medium Winder for SWG**MA0103 Medium winder for SWG**

For making spiral wound gaskets with or without inner & outer ring, no complex molds needed.

Working pressure controlled by air compressor.

Need additional welder to work together.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 1.6×0.8×1.6m.
3. N.W.: approx. 450kgs.
4. Line speed: Transducer controlled.
5. Working range: Min. ID: 150mm, Max. OD: 1700mm, thickness 4.5mm, 3.2mm.
Other thickness such as 7.5mm is also available on request.

Large Winder for SWG (Horizontal Style)**MA0104 Large winder for SWG (horizontal style)**

For making spiral wound gaskets with or without inner & outer ring, no complex molds needed.

The horizontal style is suitable in roomy workshop.

Working pressure controlled by air compressor.

Need additional welder to work together.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 3×2.8×1.2m.
3. N.W.: approx. 600kgs.
4. Line speed: Transducer controlled.
5. Working range: ID 300~2500mm, thickness 4.5mm.
Other thickness such as 7.5mm is also available on request.

Large Winder for SWG (Vertical Style)**MA0105 Large winder for SWG (vertical style)**

For making spiral wound gaskets with or without inner & outer ring, no complex molds needed.

The vertical style is suitable in small workshop.

Working pressure controlled by air compressor.

Need additional welder to work together.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 3×1×2.6m.
3. N.W.: approx. 600kgs.
4. Line speed: Transducer controlled.
5. Working range: ID 300~2500mm, thickness 4.5mm.
Other thickness such as 7.5mm is also available on request.

Metal Ring Bender



MA0111 Metal ring bender

For bending metal strips into metal rings, which can be used as inner or outer ring for spiral wound gaskets. Expensive lathes are no longer necessary. Utilizing metal material adequately without waste. Large size rings are able to be made with this machine.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 1×0.9×0.9m.
3. N.W.: approx. 350kgs.
4. Line speed: 10m/min.
5. Working range: ID 150~4000mm, thickness: 3mm & 4mm, width of ring: 8~50mm.

MA0111A Advanced metal ring bender

Compared with MA0111, this machine has three driving wheels with separate motors, therefore it has bigger strength and rings can be efficiently shaped into desired diameters in just one turn. The line speed ratio of the three driving wheels can be set manually to a suitable value depending on the inner and outer diameters of the metal ring to be made.

Specification:

1. Power: 380AV, 50HZ, 3KW.
2. Line speed: adjustable in 0~18m/min.
5. Working range: ID 150~4000mm, thickness: 2~5mm, width of ring: 8~50mm.

Outer Ring Groover**MA0112 Outer ring groover**

Designed for making groove for outer ring of spiral wound gasket.

Controlled by air compressor.

Expensive lathes are no longer necessary.

One worker can manage more than 10 machines at the same time.

Large size rings are able to be grooved with this machine.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 1.2×0.9×2.8m.
3. N.W.: approx. 400kgs.
4. Line speed: 10~45mm/s.
5. Working range: ID 150~4000mm, thickness 2~5mm.

Inner Ring Beveling Machine**MA0113 Inner ring beveling machine**

Designed for beveling inner rings for spiral wound gaskets.

Controlled by air compressor.

Expensive lathes are no longer necessary.

One worker can manage more than 10 machines at the same time.

Large size rings are able to be beveled with this machine.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 1.2×0.9×1.8m.
3. N.W.: approx. 400kgs.
4. Line speed: 10~45mm/s.
5. Working range: ID 150~1200mm, thickness 2~5mm.

Pulse Welder for Metal Tape**MA0121 Pulse welder for metal tape**

Pulse welder for welding metallic tapes with thickness of 0.15~0.30mm.

Work together with other machines for making spiral wound gaskets and reinforced graphite gaskets.

The machine is light and handy.

Specification:

1. Power: 220AV, 50HZ, 3KW.
2. L×W×H = 0.4×0.4×0.4m.
3. N.W.: approx. 30kgs.
4. Output: adjustable.
5. Working range: thickness 0.15~0.30mm.

Metal Tape Shaper



MA0122 Metal tape shaper

For shaping metal tapes into V or W profiles, which are used as hoop materials for spiral wound gaskets with thickness of 4.5mm and 3.2mm.

The speed is adjustable.

U profile shaping for eyelets of reinforced graphite gaskets is also available.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 1.5×0.6×1.2m.
3. N.W.: approx. 200kgs.
4. Line speed: Transducer controlled.
5. Working range: width 3.2~4.5mm.
Other width is also available on request.

Non-metallic Tape Cutter**MA0123 Non-metallic tape cutter**

Cutting graphite, PTFE, (non) asbestos sheet /roll into tapes which are used as filler materials for spiral wound gaskets with thickness of 4.5mm or 3.2mm.

Specification:

1. Power: 380AV, 50HZ, 0.8KW.
2. L×W×H = 3×0.7×1.6m.
3. N.W.: approx. 300kgs.
4. Line speed: 40mm/s.
5. Working range: thickness 0.4~1.0mm, width ≤300mm.

Metallic Tape Cutter**MA0124 Metallic tape cutter**

Cutting metal foil into tapes which are used as hoop materials for spiral wound gaskets with thickness of 4.5mm or 3.2mm, or as reinforcing eyelet materials for reinforced graphite gaskets.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 3×0.5×1.6m.
3. N.W.: approx. 300kgs.
4. Line speed: 100mm/s.
5. Working range: thickness 0.15~0.30mm, width ≤100mm.

Metal Kammprofile Strip Machine**MA0130 Metal kammprofile strip machine**

For making kammprofile strips and corrugated strips. The profile shape can be on request. It is economical to make kammprofile gaskets by bending.

Specification:

1. Power: 380AV, 50HZ, 2.5KW.
2. L×W×H = 1×0.9×1.5m.
3. N.W.: approx. 400kgs.
4. Working range: thickness 1.5~4.0mm, width ≤50mm.

Small Lathe Machine**MA0140 Small lathe machine**

The small special lathes can process inner and outer rings of spiral wound gaskets easily. With great efficiency and speed for sizes smaller than 300mm.

Specification:

1. Power: 380AV, 50HZ.
2. Style: 650, 625, 620, 615.
3. With special clutches for size 1/2" to 8".

Metal Foil Puncher



MA0200 Metal foil puncher

For making tanged metal sheet.

It is efficient with double line needle.

Single needles replaceable easily, and low cost.

Diameter of needle: $\Phi 1.2\text{mm}$ or $\Phi 1.5\text{mm}$, for making complex sheet in thickness of $1.2\sim 1.6\text{mm}$ and $1.5\sim 3.0\text{mm}$.

Specification:

1. Power: 380AV, 50HZ, 4KW.
2. L×W×H = 1.6×1.4×1.4m.
3. N.W.: approx. 2000kgs.
4. Speed: 25m/hour, 68 times/min.
5. Working range: 400/1000/1500mm.
6. Thickness of metal sheet: 0.1~0.25mm.

Composite Sheet Calender**MA0210 Composite sheet calender**

For composing non-metallic sheet (graphite, asbestos and non-asbestos etc) reinforced with tanged or smooth metal foil insertion. Roller diameter 300mm is normally for width 1000mm, and diameter 350mm or 400mm for width 1500mm.

Specification:

1. Power: 380AV, 50HZ, 5.5KW.
2. L×W×H = 2×1.3×1.6m.
3. N.W.: approx. 2500kgs.
4. Line speed: 3~6m/min.
5. Working range: width 1000/1500mm, thickness 1.0~5.0mm.

Gasket Cutter with Double Knives**MA0220 Gasket cutter with double knives**

For cutting non-metallic or semi-metallic round gaskets or segments.
Inner and outer diameter is finished synchronously.
Especially for making reinforced graphite gasket.

Specification:

1. Power: 380AV, 50HZ, 0.8KW.
2. L×W×H = 1.5×0.7×1.1m.
3. N.W.: approx. 250kgs.
4. Line speed: 45mm/s.
5. Working range: ID 30~2000mm, maximum thickness 6mm.

Eyelets Metal Tape Shaper**MA0231 Eyelets metal tape shaper**

Forming flat metal tapes into U profile for eyelets of cutting gaskets.
The speed is adjustable.

Specification:

1. Power: 380AV, 50HZ, 0.8KW.
2. L×W×H = 1.5×0.6×1.2m.
3. N.W.: approx. 200kgs.
4. Line speed: transducer controlled.
5. Working range: width 2.0~4.5mm.

Eyelets Wrapping Machine**MA0232 Eyelets wrapping machine**

Fixing U profile metal tapes to inner or outer borders of gaskets by roller.

The metal eyelets can offer special protection against blowout and chemical attack, and improve seal-ability with the local higher stress under eyelets.

Specification:

1. Power: 380AV, 50HZ, 0.8KW.
2. L×W×H = 1.2×0.7×1.5m.
3. N.W.: approx. 200kgs.
4. Line speed: 70~240mm/s.
5. Working range: ID 40~2500mm, thickness ≤8mm.

Metal Jacketed Machine for DJ**MA0240 Metal jacketed machine for DJ**

For making double jacketed gasket. The machine can finish making U profile and then planish metal segment of gaskets with filler and cover board.

Different rollers/moulds are required for different sealing widths.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 1.6×0.8×1.6m.
3. N.W.: approx. 250kgs.
4. Line speed: 20~200mm/s.
5. Working range: ID 200~3000mm, thickness 2.0~8mm.

**Note:**

1. All technical details quoted throughout this catalogue are based on our extensive tests and years of experience, however, they can only serve as guide values. Your specific application should not be undertaken without independent study and evaluation for suitability. Failure to select proper products and specifications could result in property damage and/or personal injury.
2. Technical details subject to change without notice. This edition cancels all previous issues.

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