

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, with high quality inner size molds attached. Automatic work controlled by computer.

Working pressure is changeable with diameter.

Size controlled by air pump.

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: OD 50~500mm, 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 is changed with diameter.

Size controlled by air pump.

Need additional welder.

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: ID 10~350mm, 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 is changed with diameter.

Size controlled by air pump.

Need additional welder.

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: ID 300~1200mm, 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.

Working pressure is changed with diameter.

Size controlled by air pump.

Horizontal style is suitable in roomy workshop.

Need additional welder.

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.

Working pressure is changed with diameter.

Size controlled by air pump.

Vertical style is suitable in small workshop.

Need additional welder.

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

Bend metal strip into inner or outer ring for spiral wound gaskets.

No longer need expensive lathes.

Utilizing metal material adequately, no waste.

No problem for large sizes.

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 of outer ring of spiral wound gasket.

Controlled by air pump.

No longer need expensive lathes.

One worker can see after more than 10 machines in same time.

No problem for large sizes.

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 Angling Machine**MA0113 Inner ring angling machine**

Designed for making angle of inner ring of spiral wound gaskets.

Controlled by air pump.

No longer need expensive lathes.

One worker can see after more than 10 machines in same time.

No problem for large sizes.

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 metal tape with thickness of 0.15~0.30mm.

Designed for making spiral wound gaskets and reinforced graphite gaskets.

The machine can be moved easily.

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 tape into V or W profile for hoop of spiral wound gaskets with thickness 4.5mm and 3.2 mm. The speed can be adjusted.

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 1.2~1.6mm and 1.5~3.0mm.

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 can be adjusted.

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.

Economical Semiautomatic Inverted Braider**MA0301 Economical semiautomatic inverted braider**

Machine for packing braiding.

Stop automatically while yarn is broken.

Lubrication impregnated and heated during braiding.

The pull can be adjusted between 1~4kgs.

Braid tightly.

With output show.

Low noise.

Specification:

1. Power: 220AV, 50HZ, 3KW.
2. L×W×H = 1.5×1.5×2.4m.
3. N.W.: approx. 1500kgs.
4. Output: 10~50kgs/day.
5. Working range: 6~20mm inter-braiding, 20~50mm over-braiding.
6. 8, 18, 24, 32 carriers.

Advanced Semiautomatic Inverted Braider**MA0302 Advanced semiautomatic inverted braider**

Machine for packing braiding.

Copied from Germany machine.

Stop automatically while yarn is broken.

Lubrication impregnated and heated during braiding.

The pull can be adjusted between 1~4kgs.

Braid tightly.

With output show.

Low noise.

Specification:

1. Power: 220AV, 50HZ, 3KW.
2. L×W×H = 1.5×1.5×2.4m.
3. N.W.: approx. 1800kgs.
4. Output: 10~50kgs/day.
5. Working range: 6~20mm interbraiding, 20~50mm over-braiding.
6. 8, 20, 24, 32, 36 carriers.

Simple Semiautomatic Inverted Braider**MA0303 Simple semiautomatic inverted braider**

Machine for packing braiding.

Normally for braiding ceramic fiber square or round rope.

No impregnation tray, no timing.

Braiding density can be adjusted.

Specification:

1. Power: 220AV, 50HZ, 3KW.
2. L×W×H = 1.5×1.5×2.4m.
3. N.W.: approx. 1000kgs.
4. Output: 10~50kgs/day.
5. 8, 18, 24, 32 carriers for square rope braiding.
8, 16, 24, 32, 36 carriers for round rope braiding.

8-Carrier Square Braider with 2 Orbits**MA0304 8-carrier square braider with 2 orbits**

Universal square packing braider.

For braiding various fiber packing in square section with size 3~12mm.

Specification:

1. Power: 380AV, 50HZ, 0.75KW.
2. L×W×H = 0.6×0.67×1.7m.
3. N.W.: approx. 180kgs.
4. Output: 3~10kgs/day.
5. Working range: 3~12mm, square.

MA0305 8-carrier round braider is also available on request.

18-Carrier Square Braider with 3 Orbits**MA0306 18-carrier square braider with 3 orbits**

Universal square packing braider.

For braiding various fiber packing in square section with size 6~16mm.

Specification:

1. Power: 380AV, 50HZ, 0.75KW.
2. L×W×H = 1×1×1.9m.
3. N.W.: approx. 300kgs.
4. Output: 6~20kgs/day.
5. Working range: 6~16mm, square.

MA0307 16-carrier round braider is also available on request.

24-Carrier Square Braider with 4 Orbits**MA0308 24-carrier square braider with 4 orbits**

Universal square packing braider.

Speed adjustable by motor.

For braiding various fiber packing in square shape with size 12~50mm.

Specification:

1. Power: 380AV, 50HZ, 2.2KW.
2. L×W×H = 1.6×1.6×2.4m.
3. N.W.: approx. 1200kgs.
4. Output: 15~50kgs/day.
5. Working range: 12~50mm, square.

MA0309 32-carrier round braider is also available on request.

Packing 2 rolls Calender**MA0321 Packing 2 rolls calender**

For shaping the finished braided packing.

Normally 12 sets of moulds in different sizes are supplied with the machine. The mould sizes are made-to-order.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 0.9×0.8×1.8m.
3. N.W.: approx. 200kgs.
4. Working range: 3mm~40mm.

Packing 4 rolls Calender**MA0322 Packing 4 rolls calender**

For shaping the finished braided packing.

Normally 12 sets of moulds in different sizes are supplied with the machine. The mould sizes are made-to-order.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 0.9×0.8×1.8m.
3. N.W.: approx. 200kgs.
4. Working range: 3mm~40mm.

Packing Calender + Packing Winder**MA0325 Packing calendar + packing winder**

Reel finished packing to disk, with finished packing shaper.

Normally 12 sets of moulds in different sizes are supplied with the machine. The mould sizes are made-to-order.

Specification:

1. Power: 380AV, 50HZ, 1.1KW.
2. L×W×H = 2.2×0.7×1.3m.
3. N.W.: approx. 300kgs.
4. Working range: 3mm~40mm.

Station Bobbin Winder**MA0330 Station bobbin winder**

Reel various packing yarn from anomalistic disk to appropriative station bobbin of braider. It's an essential machine. Stop automatic while yarn is full. Also suitable to combine yarns.

Specification:

1. Power: 380AV, 50HZ, 0.75KW.
2. L×W×H = 1.5×0.6×1.4m.
3. N.W.: approx. 150kgs.
4. Line speed: adjustable.

Yarn Twisting Machine



MA0340 Yarn twisting machine

For twisting graphite and other fiber yarns.
Normally with 16 to 20 bobbins.

Specification:

1. Power: 380AV, 50HZ, 1.5KW.
2. L×W×H = 26×1.6×1.7m.
3. N.W.: approx. 800kgs.
4. Output: 200kgs/day.
5. Working range: 2g/m, 3g/m, 5g/m, 10g/m.

Packing Tool



TL0310 Packing tool

Handle packing maintenance tool includes:

Flexible shaft: Length 7.5", 11", 14.5" each 2 pcs.

Solid shaft: Length 10", diameter 3.5mm, 5.0mm, 8.0mm each 1 pc.

Corkscrew: S/M/L each 3 pcs.

Woodscrew: S/M/L each 1 pc.

Wrench: 1pc.

Plastic packing box: 1 pc.

**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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