

OIL SEALS, PACKINGS & CUPS TRIMMING MACHINE



HUANG JU INDUSTRIAL CO., LTD.
SUN HUANG JU HYDRAULIC MACHINERY INDUSTRIAL CO., LTD.
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Company Profile

HUANG JU INDUSTRIAL CO., Ltd. was established in May 1978 locate on Taiwan.

HUANG JU INDUSTRIAL CO., Ltd. is the professional & experienced in manufacturing a series machinery for Oil Seals, Packings, Cups, Valve Steam Seals, Square Rings and Iron Cases. Our product line includes Trimming, Cutting, Testing, Inspection & Springs Loading Machinery and seals other working process machinery in Taiwan for 35 years.

In Taiwan we have 90 % market share, because of our professional technology, good quality, reasonable price and renowned customer service.

Welcome you a visit to our website "http://www.huangju.com.tw." and "http://www.sunhuangju.com.tw." You can see our product line.

We develop a series new full auto working line to finish all the working process efficiently to cut down the labor cost, improve quality and increase product value.

The world famous rubber product company such as SKF, FDS, PAKER, HALUTE, SEA, GARLOCK, BOUSH, NOK(Japan), KEEPER(Japan), ARIS(Japan), P&K(China), SHERCON(China), FENNER(India), KOK(Taiwan), NAK(Taiwan), FOS(Taiwan), and so on, are all our customers.

In 2012, HUANG JU motivated by a desire to innovate and serve customers,

we devote to design a series of RUBBER VULCANIZING and MOLDING MACHINE. As for our profession & experience in manufacturing machinery, our new machine has successfully improved the quality and manufacture technology of seals.

Many thanks for getting much supporting from our customers.

In May 2013, Huang Ju Industrial Co., Ltd. rename as **SUN HUANG JU HYDRAULIC MACHINERY INDUSTRIAL CO., LTD.** to provide more service to our customers from

manufacture seals to trim, test and inspect seals.

Hope we can provide more service to more customers and input more energy to the seals industry.



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SY-C103

#25 Collet Chuck Type Oil Seals Trimming Machine



Application:

Suitable for inner and outer diameter of oil seals trimming.

Features:

1. Uses #25 collet chuck easy and quick to change mold and knife.
2. It is easy and cheap to make the mold. Every Ø1mm different working pieces have to change one mold.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Two knife sets or three knife sets
Trimming Range	Oil Seals Outer Diameter ø10-210mm
Working Capacity	15-25 PCS/min
Control System	PLC and air pressure system
Machine Size	(L)780 × (W)680 × (H)1850mm
Measurement Ton	(L)880 × (W)780 × (H)1950mm
Machine Weight	Net Weight : 240kg Gross Weight : 350kg

SY-C103-45

#45 Collet Chuck Type Oil Seals Trimming Machine



Application:

Suitable for A and B type oil seals with large-sized outer diameter and general oil seals trimming.

Features:

1. Use #45 collet chuck to make molds. Quick and easy to change mold and knife.
2. The Cutting process of inner and outer diameter trimming is adjustable to meet products' requirement.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Two knife sets
Trimming Range	Oil Seals Outer Diameter Ø80-300mm
Working Capacity	15-20 PCS/min
Control System	PLC and Air Pressure System
Machine Size	(L)880 × (W)680 × (H)1850mm
Measurement Ton	(L)980 × (W)780 × (H)1950mm
Machine Weight	Net Weight : 320kg Gross Weight : 420kg

SY-R103

Ring Cone Type Oil Seals Trimming Machine



Application:

Special use for A Type oil seals trimming.



Features:

1. It is unnecessary to make mold for working pieces to cost down the mold charge.
2. Manual stacking, auto feeding, auto loading and auto offloading, one operator can operate 2-3 sets of machine simultaneously.
3. Equip with one knife set to hold two knives to trim the inner and outer diameter at one time to save working time.
4. Mechanical control, low rate of breakdown, simple for maintenance with high economic profit.

Specification:

Power	1KW
Voltage	According to the customer's assignment
Control System	Cam Control and Air Pressure System
Knife Set	One Knife Set
Trimming Range	Oil Seals Outer Diameter $\varnothing 16 \sim \varnothing 95 \text{mm}$
Working Capacity	15-21 PCS/min
Machine Size	(L)680 × (W)680 × (H)780 mm
Measurement Ton	(L)800 × (W)800 × (H)900 mm
Machine Weight	Net Weight : 180kg Gross Weight : 250kg

SY-RT103

Ring Cone Type Oil Seals Trimming Machine(Double Knife Blocks Type)



Application:

Special use for A Type oil seals trimming.

Features:

1. It is not unnecessary to make mold for working pieces to cost down the mold charge.
2. Manual stacking, auto feeding, auto loading and offloading, one operator can operate 2-3 sets of machine simultaneously.
3. Trim by double knife sets with two knives same to the vacuum type machines to trim oil seals lip first.
4. Mechanical control, low rate of breakdown, simple maintenance, and high economic profit.
5. Available to add on Roughcast Separator to separate finished goods from burs to reduce the time of management.

Specification:

Power	1KW
Voltage	According to the customer's assignment
Control System	Cam and Air Pressure System
Knife Set	Two Knife Sets
Trimming Range	Outer Diameter Ø19-Ø90mm
Working Capacity	15-21 PCS/min
Optional Accessory (cost required)	Roughcast Separator
Machine Size	(L)900 × (W)800 × (H)1350 mm
Measurement Ton	(L)1000 × (W)900 × (H)1450 mm
Machine Weight	Net Weight : 220kg Gross Weight : 300kg

SY-103-S

Vacuum Type Oil Seals Trimming Machine



Application:

Suitable for trimming inner and outer diameter of various oil seals.



Features:

1. Use vacuum mold and the characteristic of vacuum to trim.
2. Manual feeding, auto offloading by air pressure and equip with Roughcast Separator to separate finished goods from burs to save the time of management.

Specification:

Power	1KW
Voltage	According to the customer's assignment
Control mode	PLC and air pressure system
Knife Set	Two Knife Sets
Obstructing Device	One Set
Roughcast Separator	One Set
Trimming Range	Oil Seals Outer Diameter Ø10-100mm
Working Capacity	15-20 PCS/min
Machine Size	(L)700×(W)900×(H)1850mm
Measurement Ton	(L)900×(W)1000×(H)1950mm
Machine Weight	Net Weight : 280kg Gross Weight : 380kg

SY-V103

Vacuum Type Oil Seals, Cups, Packings Trimming Machine



Application:

Suitable for trimming oil seals, cups, packings, and soft rubber material parts, etc.



Features:

1. Use vacuum mold and the characteristic of vacuum to trim.
2. Equipped with 2 knife sets with large-distance slide block. The angle of knife can be adjusted between 0° and 90°. The inner diameter and outer diameter can be trimmed simultaneously or individually.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Control System	PLC and Air Pressure System
Knife Set	Two knife sets
Trimming Range	Outer Diameter Ø10~200mm
Working Capacity	15-20 PCS/min
Machine Size	(L)890 × (W)600 × (H)1900mm
Measurement Ton	(L)1000 × (W)700 × (H)2000mm
Machine Weight	Net Weight : 280kg Gross Weight : 380kg

SY-V103-PU3T

Vacuum Type PU Oil Seals, Packing, Cups Trimming Machine



Application:

Suitable for trimming large-sized PU oil seals, packings, cups with different height of inner and outer diameter.



Features:

1. Adopt pressurized trimming to overcome uneasy fixation of the large-sized working pieces.
2. When inner diameter is lower than outer diameter, the trimming can be started horizontally from inner diameter.
3. The trimming angle $0^{\circ}\sim 90^{\circ}$ is adjustable and the knife cutting process is adjustable to meet products' requirements.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Three Knife Sets
Control System	PLC and Air Pressure System
Pressure Wheel	One Set
Trimming Range	Outer Diameter $\varnothing 10\sim 120\text{mm}$ 、 $\varnothing 100\sim 350\text{mm}$ (depend on machine design)
Working Capacity	12-18 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Optical Curtain
Machine Size	(L)1300 × (W)900 × (H)1950mm
Measurement Ton	(L)1400 × (W)1000 × (H)2050mm
Machine Weight	Net Weight : 280kg Gross Weight : 380kg

SY-PV103-350

Vacuum & Pressurizing Roller Type Trimming Machine



Application:

Suitable for trimming oil seals , packings with large-sized outer diameter and other rubber material products.



Features:

1. Adopt pressurized trimming to overcome uneasy fixation and deformation for large-sized working pieces.
2. Use vacuum or pressurizing roller to fix working pieces for trimming, lowest cost of mold, and deformed oil seals can be trimmed.
3. Equip with auto offloading system for big-sized oil seals (optional accessory cost required).

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Two Knife Sets
Control System	PLC and Air Pressure System
Pressure Wheel	Two Sets
Trimming Range	Outer Diameter Ø150-Ø350mm
Working Capacity	8-12 PCS/min
Optional Accessory (cost required)	Safety Fence ,Safety Optical Curtain and Auto Oil Seals Offloading System
Machine Size	(L)700 × (W)650 × (H)1850mm
Measurement Ton	(L)800 × (W)750 × (H)1950mm
Machine Weight	Net Weight : 280kg Gross Weight : 380kg

SY-PV103-600

Large-Sized Oil Seals, Rubber Packing Trimming Machine



Application:

Suitable for trimming large-sized oil seals and packings with O.D. Ø350~600mm.



Features:

1. Adopt double pressurizing rollers and vacuum type to overcome uneasy fixation of the large-sized working pieces.
2. Lower cost of mold, and the deformed oil seals also can be trimmed.

Specification:

Power	3KW
Voltage	According to the customer's assignment
Knife Set	Two Knife Sets
Pressure Wheel	Two Sets
Control System	PLC and Air Pressure System
Trimming Range	Outer Diameter Ø350~Ø600mm
Working Capacity	5~10PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Optical Curtain
Machine Size	(L)1100 × (W)900 × (H)1800mm
Measurement Ton	(L)1200 × (W)1000 × (H)1900mm
Machine Weight	Net Weight : 500kg Gross Weight : 700kg

SY-PV103-1200

Large-Sized Oil Seals and Packings Trimming Machine



Application:

Suitable for trimming large-sized oil seals and packings with O.D. Ø500~1200mm.

Features:

1. Adopt double pressurizing rollers and vacuum type to overcome uneasy fixation of the large-sized working pieces.
2. Lower cost of mold, and the deformed oil seals also can be trimmed.

Specification:

Power	5KW
Voltage	According to the customer's assignment
Knife Set	Two Knife Sets
Pressure Wheel	Two Sets
Control System	PLC and Air Pressure System
Trimming Range	Outer Diameter Ø500~Ø1200mm
Working Capacity	3-5 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Optical Curtain
Machine Size	(L)1800 × (W)1800 × (H)1800mm
Measurement Ton	(L)1900 × (W)1900 × (H)1900mm
Machine Weight	Net Weight : 1500kg Gross Weight : 1800kg

SY-V107

Vacuum Type PU Oil Seals, Packing, Cups Trimming Machine



Application:

Suitable for the trimming of mass production oil seals, cups, packings and other soft rubber parts.

Features:

1. Use auto vibratory conveyor feeder and mechanical arm to trim precisely and rapidly.
2. Full auto trimming line, one operator can operate many set of machine simultaneously.
3. Need to adjust the guide of vibratory conveyor, working pieces location and change the jig to match the size of working pieces.

Specification:

Power	3KW
Voltage	According to the customer's assignment
Knife Set	Two knife sets
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Working Range	Outer Diameter Ø20~40mm · Ø40~60mm depends on vibratory conveyor specification
Working Capacity	8-14 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Switch.
Machine Size	(L)1100 × (W)800 × (H)1850mm
Measurement Ton	(L)1200 × (W)1000 × (H)1950mm
Machine Weight	Net Weight : 370kg Gross Weight : 500kg

SY-V107-C

Auto Vacuum Type Oil Seals Trimming Machine (Conveyor Belt Type)



Application:

Suitable for the trimming of oil seals, specifically for medium-sized outer diameter oil seals.

Features:

1. Special design the conveyor belt to auto feed oil seals and mechanical arm to trim large outer diameter oil seals.
2. Manual put oil seals on conveyor belt → auto loading → auto trimming → auto offloading. Cost down the labor charge.
3. Need to adjust the guide and location of conveyor and change the jig to match the size of working pieces.

Specification:

Power	3KW
Voltage	according to the customer's assignment
Knife Set	two knife sets (knife process adjustable)
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Working Range	Max. Outer Diameter 120mm
Working Capacity	8-12 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Switch.
Machine Size	(L)2200 × (W)800 × (H)1800mm
Measurement Ton	(L)2300 × (W)900 × (H)1900mm
Machine Weight	Net Weight : 500kg Gross Weight : 600kg

SY-V103-PU3T-M

Auto Vacuum Type Oil Seals \ PU Packing Trimming Machine (Manual Stacking Type)



Application:

Suitable for the trimming of medium-sized oil seals and PU Packing.



Features:

1. It is special design to trim oil seals with O.D.Ø50mm~Ø120mm and PU Packing that vibratory conveyor is unable to work. Equip with auto delivering system and mechanical arm to auto loading and offloading oil seals, then both inner and outer diameter can be trimmed simultaneously.
2. Operation system: manual stacking → auto feeding → auto loading → auto trimming→ auto offloading working pieces.
3. Equip with 3 sets of knives and pressurized wheel to meet the special requirements of product.

Specification:

Power	2KW
Voltage	according to the customer's assignment
Knife Set	Three Knife Sets
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Working Range	Max. Outer Diameter 120 mm
Working Capacity	8-12 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Switch.
Machine Size	(L)1800 × (W)1100 × (H)1800mm
Measurement Ton	(L)1900 × (W)1200 × (H)1900mm
Machine Weight	Net Weight : 420kg Gross Weight : 520kg

SY-C105-D

Auto Collet Chuck Oil Seals Trimming Machine (Vibration Conveyor System)



Application:

Suitable for the trimming of oil seals.

Features:

1. Equip with vibratory conveyor to auto feed and mechanical arm to finish full auto trimming line for oil seals. One operator can operate 3-4 sets of machine simultaneously to cut down the manufacture cost.
2. Use #25 collet chuck to hold oil seals for trimming, cost of mold is cheaper and easy to adjust.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Two Knife Sets
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Working Range	O.D.Ø20-Ø40mm、Ø40-Ø60mm depend on vibratory conveyor specification
Working Capacity	8-14 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Switch.
Machine Size	(L)900 × (W)700 × (H)1900mm
Measurement Ton	(L)1700 × (W)1200 × (H)2000mm
Machine Weight	Net Weight : 320kg Gross Weight : 420kg

SY-C105-C

Auto Collet Chuck Oil Seals Trimming Machine (Conveyor Belt Type)



Application:

Suitable for the trimming of oil seals, specifically for medium outer diameter oil seals made by injection molding machine.

Features:

1. Special design the conveyor belt to auto feed oil seals and mechanical arm to trim medium outer diameter oil seals made by injection molding machine.
2. Manual put oil seals on conveyor belt → auto loading → auto trimming → auto offloading. Cost down the labor charge.
3. Use #25 collet chuck to hold working piece, change mold and adjust cutting knife easily.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Two Knife Sets Type : I.D. knife*1 set and O.D. knife *1 set Three Knife Sets Type : I.D. knife*1 set and O.D. knife *2 sets
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Working Range	Oil Seals Outer Diameter $\varnothing 60 \sim 120 \text{mm}$
Working Capacity	8-12 PCS/min
Accessory by choice (cost required)	Safety Fence and Safety Switch.
Machine Size	(L)2200 × (W)800 × (H)1800mm
Measurement Ton	(L)2300 × (W)900 × (H)1900mm
Machine Weight	Net Weight : 450kg Gross Weight : 550kg

SY-C105-M

Auto Collet Chuck Oil Seals Trimming Machine (Manual Stacking Type)



Application:

Suitable for the trimming of medium-sized oil seals.



Features:

1. It is special design for oil seals with O.D.Ø50mm~Ø120mm that vibratory conveyor is unable to feed. Adopts auto delivering system and mechanical arm to finish auto trimming efficiently.
2. Operation system: manual stacking → auto feeding → auto loading → auto trimming → auto offloading working pieces.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Knife Set	Two Knife Sets
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Trimming Range	Outer Diameter Ø50-Ø120mm
Working Capacity	12-18 PCS/min
Machine Size	(L)1100 × (W)900 × (H)1800mm
Measurement Ton	(L)1200 × (W)1000 × (H)1900mm
Machine Weight	Net Weight : 400kg Gross Weight : 500kg

SY-RA104

Auto Rotary Type Trimming Machine (4-Stations Type)



Application:

Suitable for the trimming of mass production valve steam seals, cups, UV packings, and other rubber soft material products, etc.



Features:

1. Auto feeding and loading, one operator can operate many sets of machine simultaneously to increase the working efficiency.
2. Use the rotary platen for 4-station cycle to auto load, locate, trim, auto offload, and equip with mechanical arm to finish trimming cycle efficiently.

Specification:

Power	3KW
Voltage	according to the customer's assignment
Knife Set	Two Knife Sets
Trimming Angle	0-60°
Vibratory Conveyor	O.D. Ø300-Ø400mm, depends on working pieces specification
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Trimming Range	Max. Outer Diameter Ø50mm
Working Capacity	15-20 PCS/min
Optional Accessory (cost required)	Safety Fence, Safety Switch
Machine Size	(L)750 × (W)750 × (H)1700mm
Measurement Ton	(L)900 × (W)1300 × (H)1800mm
Machine Weight	Net Weight : 400kg Gross Weight : 500kg

SY-RA110

Auto Rotary Type Trimming Machine (5-Stations Type)



Application:

Suitable for the trimming of mass production valve steam seals, cups, UV packings, and other rubber soft material products, etc.

Features:

1. Equip with two auto feeding systems to trim two pieces of product for one time. One operator can operate many sets of machine simultaneously to cost down the labor charge.
2. Use the rotary platen for 5-station cycle to auto feed, load, locate, trim, auto offload, and equip with mechanical arm to finish auto trimming cycle to increase the working efficiency.

Specification:

Power	5KW
Voltage	according to the customer's assignment
Knife Set	Four Knife Sets
Trimming Angle	0-60°
Control System	PLC 、 Air Pressure System and Man-Machine Interface Touch Screen
Trimming Range	Max. Outer Diameter Ø50mm
Working Capacity	30~40 PCS/min
Optional Accessory (cost required)	Safety Fence, Safety Switch
Machine Size	(L)1500 × (W)1500 × (H)1850mm
Measurement Ton	(L)2000 × (W)1700 × (H)1950mm
Machine Weight	Net Weight : 1200kg Gross Weight : 1400kg

SY-RA108

Rotary Type Trimming Machine (4- Stations 8-Shafts Type)



Application:

Suitable for the trimming of various valve stem seals, cups, UV packings and other rubber soft material products , etc.



Features:

1. Four stations cycle : Manual load, auto locate, auto trim, manual offload.
2. Four knife sets : two knife sets for inner diameter trimming and two knife sets for outer diameter trimming.
3. To trim 2 pcs of product at a time ,the working efficiency is more than single-shaft vacuum type for 300%.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Trimming Angle	0-60°
Knife Set	Four knife sets
Control System	PLC and Air Pressure System
Trimming Range	Outer Diameter Max. Ø50mm
Working Capacity	20-40 PCS/min
Machine Size	(L)900 × (W)750 × (H)1700 mm
Measurement Ton	(L)1000 × (W)850 × (H)1800 mm
Machine Weight	Net Weight : 350kg Gross Weight : 450kg

SY-BC102

Oil Seals Glue Bonding Machine



Application:

Suitable for oil seals non-woven fabrics and fleece gluing.

Features:

Use #25 collect chuck to make molds same to SY-C103 Collet Chuck Type Trimming Machine to cut down the cost of mold economically and efficiently.

Specification:

Power	0.5KW
Voltage	Single Phase 220V 50/60HZ
Control System	Air Pressure and PLC
Gluing Unit	One set
Gluey Material	Silicone and Others
Working Range	Oil Seals O.D. Ø10-210mm
Working Capacity	15-25 PCS/min
Machine Size	(L)780 × (W)620 × (H)1500mm
Measurement Ton	(L)880 × (W)720 × (H)1600mm
Machine Weight	Net Weight : 180kg, Gross Weight : 280kg

SY-AS107

Auto Oil Seals Spring Loading Machine



Application:

Suitable for various types of oil seals springs loading.



Features:

1. Use cylinder fast moving and auto vibratory conveyor to feed, locate oil seals, load springs and inspect spring loading and auto separate finished goods from defect goods. All line works automatically.
2. Take springs horizontally and load horizontally, precisely and efficiently.
3. The best tool for oil seals springs loading.

Specification:

Power	4KW
Voltage	According to the customer's assignment
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Working Range	Outer Diameter $\varnothing 20 \sim 40 \text{mm}$ · $\varnothing 40 \sim 60 \text{mm}$ depends on vibratory conveyor specification
Working Capacity	22-30 PCS/min
Optional Accessory (cost required)	Oil Seals Storage Tank, Safety Fence and Safety Switch
Machine Size	(L)780 × (W)680 × (H)1600mm
Measurement Ton	(L)1000 × (W)1400 × (H)1700mm
Machine Weight	Net Weight : 300kg Gross Weight : 420kg

SY-PVS107

Auto Valve Steam Seal Springs Loading Machine



Application:

Suitable for various types of valve steam seals springs loading.



Features:

1. Equips with auto vibratory conveyor to feed, locate, load springs, inspect spring loading and auto separate good product from defect product.
2. Hook and load springs horizontally, precisely and efficiently.
3. It is the best tool to load springs for valve steam seals.

Specification:

Power	3KW
Voltage	According to the customer's assignment
Control System	PLC and Air Pressure System
Working Range	Various types of valve steam seals
Working Capacity	25-35 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Switch.
Machine Size	(L)900 × (W)850 × (H)1350mm
Measurement Ton	(L)1100 × (W)1050 × (H)1450mm
Machine Weight	Net Weight : 280kg Gross Weight : 380kg

SY-0104

Oil Seals Grease Filling Machine



Application:

Suitable for filling grease to the inner and outer diameter of oil seals.



Features:

1. Large working table design with practical utility and prepare working pieces easily. The worker operates easily and efficiently.
2. Use pressure and flow control system to finish filling well.
3. Supply oil volume stably, sucking oil back automatically and the appearance of oil ball is perfect.

Specification:

Power	1 KW
Voltage	Single Phase , 220V
Control System	Electrical System and Air Pressure System
Working Range	Outer Diameter Ø10-160mm
Working Capacity	20-30 PCS/min
Machine size	(L)870 × (W)620 × (H)1200mm
Measurement Ton	(L)970 × (W)720 × (H)1300mm
Machine weight	Net Weight : 140kg Gross Weight : 210kg

SY-A0104

Auto Oil Seals Grease Filling Machine



Application:

Suitable for filling grease to the inner diameter of oil seals.

Features:

1. Auto load, auto offload and auto stack finished product, suitable for mass produce.
2. Use pressure and flow control system to finish filling well.
3. Supply oil volume stably, sucking oil back automatically and the appearance of oil ball is perfect.

Specification:

Power	3KW
Voltage	Single Phase , 220V
Control System	Electrical System and Air Pressure System
Working Range	Outer Diameter Ø20~40mm 、 Ø40~60 mm
Working Capacity	15-20 PCS/min
Machine Size	(L)1260 × (W)1500 × (H)1920mm
Measurement Ton	(L)1360 × (W)1600 × (H)2020mm
Machine Weight	Net Weight : 180kg Gross Weight : 200kg

SY-TR103

Oil Seals Reciprocation Testing Machine



Application:

Suitable for various oil seals durable life reciprocation testing.

Features:

1. It is available to set testing conditions of time and reciprocation presented on the man-machine interface touch screen to test the oil seal durable life. Test finished stop automatically.
2. To assist product design and increase product value.

Specification:

Power	3KW
Voltage	according to the customer's assignment
Test Shaft	single shaft
Reciprocation Test	Max. 750 time/ min
Control System	PLC and Man-Machine Interface Touch Control System
Working Range	Outer Diameter Ø15-Ø50mm
Machine Size	(L)875 × (W)830 × (H)1780 mm
Measurement Ton	(L)975 × (W)930 × (H)1880 mm
Machine Weight	Net Weight : 250kg Gross Weight : 300kg

SY-T103LFT

Oil Seal Lips Tensile Test Machine



Application:

Suitable for the tensile test of oil seals lip.

Features:

1. By the DIN3761PT9 Standard.
2. The tensile test machine assists the design and manufacture oil seals to increase the durable life of oil seals.
3. Equip with computer software to print and record test reporter.

Specification:

Voltage	Single-phase 、 220V
Loadcell	0~50 kg
Working Range	Outer Diameter Ø20-200mm
Tensile Test Range	0~490 newton
Machine Size	(L)850 × (W)450 × (H)300mm
Measurement Ton	(L)1020 × (W)550 × (H)400mm
Machine Weight	Net Weight : 32kg 、 Gross Weight : 51kg

SY-T105

Oil Seal Rotation Testing Machine (One Shaft Type)



Application:

Suitable for various oil seals rotation durable life testing.

Features:

1. Rotate at high speed or low speed with multi-speed setting for testing.
2. Test rotation speed, temperature, rotation period time, and present on man-machine interface touch screen. Test finished stop automatically.
3. Equip with pressurizing system to test pressure durable life of oil seals.

Specification:

Power	4.5KW
Voltage	According to the customer's assignment
Test Shaft	Single Shaft
Principal Shaft R.P.M	Max. 8000RPM
Control System	PLC, Inverter and Man-Machine Interface Touch Screen
Working Range	Oil Seal Outer Diameter Ø20-Ø150mm
Test temperature	Max. 120°C
Pressurize System	0~6 kg/cm ²
Machine size	(L)875 × (W)830 × (H)1780 mm
Measurement Ton	(L)975 × (W)930 × (H)1880 mm
Machine weight	Net Weight : 250kg Gross Weight : 300kg

SY-T105D

Oil Seal Rotation Testing Machine(Two Shafts Type)



Application:

Suitable for various oil seals rotation durable life testing.

Features:

1. Rotation at high speed or low speed with multi-speed auto control.
2. Set multi-test conditions of rotation speed, temperature, rotation period time, and present on man-machine interface touch screen.
Test finished stop automatically.
3. Equip with pressurizing system to test the pressure durable life of oil seals.
4. Test two kinds of oil seals for one time and print reporters.

Specification:

Power	9 KW
Test Shaft	Two Shafts
Voltage	According to the customer's assignment
Principal Shaft R.P.M	Max. 8000RPM
Control System	PLC, Inverter and Man-Machine Interface Touch Screen.
Working Range	Oil Seal Outer Diameter Ø20-Ø185mm
Test temperature	Max. 120°C
Machine Size	(L)1350 × (W)1250 × (H)1850 mm
Measurement Ton	(L)1450 × (W)1350 × (H)1950 mm
Machine Weight	Net Weight : 1300kg Gross Weight : 1450kg

SY-B103

Oil Seals Iron Cases Beveling Angle Machine



Application:

Suitable for beveling and cutting oil seal iron cases and valve steam seal iron cases.



Features:

1. The end cutting knife and the bevel angle knife can work simultaneously or individually.
2. Working process: Manual feeding → start → auto clamping → rotation → beveling and cutting → finish → stop → offloading products.

Specification:

Power	2KW
Voltage	According to the customer's assignment
Control System	Electrical System and Air Pressure System
Knife Set	End Knife Set x 1 (for length cutting) Bevel Angle Knife Set x 1 (for bur),
Working Range	Outer Diameter Ø18~Ø110mm
Working Capacity	15-25 PCS/min
Machine Size	(L)900 × (W)680 × (H)1400mm
Measurement Ton	(L)1100 × (W)900 × (H)1500mm
Machine Weight	Net Weight : 320kg Gross Weight : 420kg

SY-B103BV

Vertical Big-Sized Oil Seal Iron Cases Beveling Angle Machine



Application:

Suitable for beveling and cutting the end of oil seal iron cases.



Features:

1. Adopt vertical feeding, manual put the iron case into the mold to finish beveling and cutting fast and precisely.
2. The upper mold pressurizes to iron case directly, reduce the cost of mold.
3. Depend on the thickness and angle of iron cases to adjust beveling speed.

Specification:

Power	5KW
Voltage	According to the customer's assignment
Control mode	Hydraulic System and PLC System
Knife Set	End Knife Set x1 Bevel Angle Knife Set x 1
Working Range	Outer Diameter Ø110~300mm
Working Capacity	10-15 PCS/min
Optional .Accessory (cost required)	Safety Fence and Safety Optical Curtain
Machine Size	(L)730 × (W)1200 × (H)1700mm
Measurement Ton	(L)860 × (W)1300 × (H)1800mm
Machine Weight	Net Weight : 400kg Gross Weight : 500kg

SY-RF103B

Oil Seal Iron Cases Forming and Combining Machine



Application:

Suitable for oil seal iron cases forming and combining.

Features:

High speed location, low speed forming and combining.

Specification:

Power	5KW
Voltage	According to the customer's assignment
Pressurized Wheel	One Set
Control System	PLC and Hydraulic System
Working Range	Max. Outer Diameter Ø300mm
Working Capacity	12-18 PCS/min
Optional Accessory (cost required)	Safety Fence and Safety Optical Curtain
Machine Size	(L)700 × (W)700 × (H)1850mm
Measurement Ton	(L)1200 × (W)800 × (H)1950mm
Machine Weight	Net Weight : 300kg Gross Weight : 400kg

SY-BTF 600

Large- sized Oil Seals Trimming and Iron Case Forming and Combining Machine



Application:

Suitable for big outer diameter oil seals trimming and iron case forming and combining.

Features:

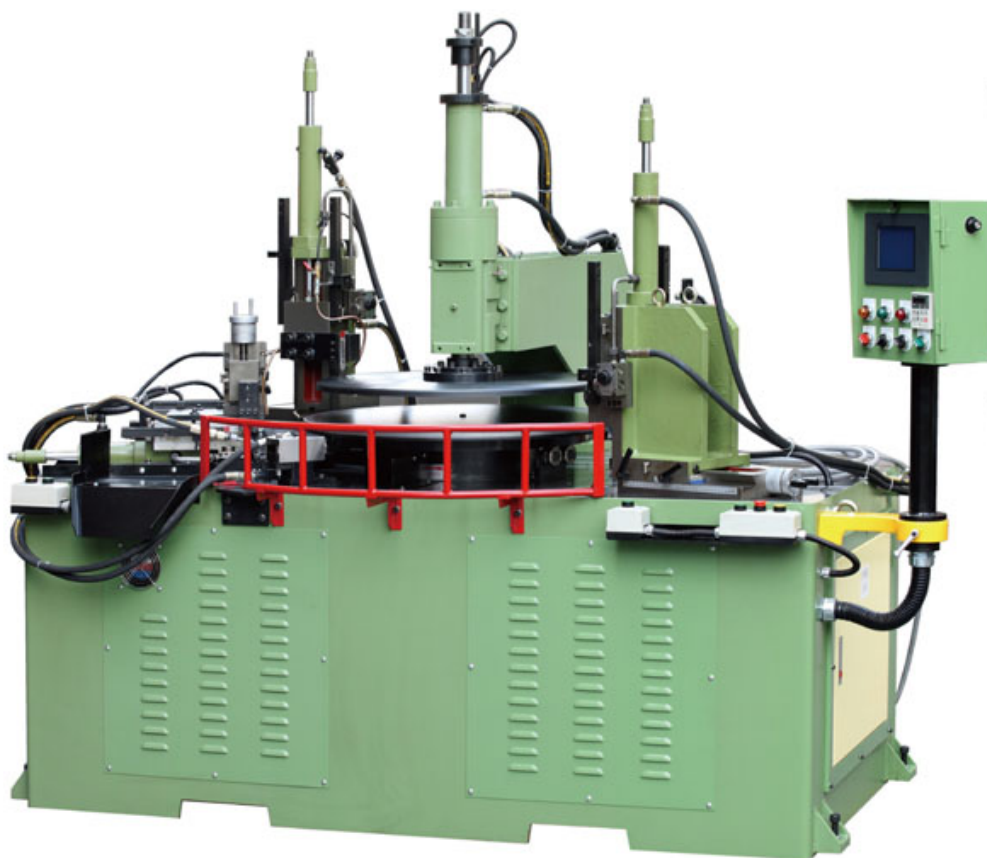
1. Use pressurized wheels to fix big outer diameter oil seals for trimming burs and overcome the large size working pieces processing problem.
2. Use hydraulic unit to form and combine big outer diameter oil seal iron cases.
3. One machine equips with two working abilities to cost down the charge of factory equipment.

Specification:

Power	5KW
Voltage	According to the customer's assignment
Main Equipment	Trimming Knife Set × 2 set Forming Wheel Set x 1 set
Control System	PLC System and Hydraulic System
Working Range	O.D. Ø300~Ø600mm
Working Capacity	5-10 PCS/min
Machine Size	(L)1100 × (W)900 × (H)1800mm
Measurement Ton	(L)1200 × (W)1000 × (H)1900mm
Machine Weight	Net Weight : 500KG Gross Weight : 600KG

SY-BBF1200

Large- sized Oil Seal Iron Cases Forming and Beveling Machine



Application:

Suitable for big outer diameter oil seal iron cases forming and beveling.

Feature:

1. Form the oil seal iron case and then finish cutting and beveling for one step. Finish working pieces precisely and smoothly. Overcome the large size processing problem.
2. Cost down the charge of mold .

Specification:

Power	7KW
Voltage	According to the customer's assignment
Control System	PLC System and Hydraulic System
Main Equipment	End Knife Set x1 Bevel Angle Knife Set x 1 Forming Wheel Set x1
Working Range	O.D. Ø500~1200mm
Working Capacity	5-10PCS/min
Machine Size	(L)1600 × (W)1600 × (H)1800mm
Measurement Ton	(L)1700 × (W)1800 × (H)2000mm
Machine Weight	Net Weight : 1500KG Gross Weight : 1600KG

SY-BV105

Auto Oil Seal and Steam Valve Seal Iron Cases Beveling Angle Machine



Application:

Suitable for beveling and cutting oil seal iron cases and valve steam seal iron cases.

Features:

1. Use lathe to bevel and cut iron cases precisely and cost effective.
2. Equip with vibration conveyor finish auto working process efficiently and stably.
3. Working process: auto feeding → auto clamping → rotation → beveling and cutting → finish → stop → auto offloading products.

Specification:

Power	4KW
Voltage	according to the customer's assignment
Control System	Electrical System and Hydraulic System
Knife Set	End Knife Set x 1 (for length cutting) Bevel Angle Knife Set x 1 (for bur)
Working Range	Outer Diameter Ø10~ Ø30mm
Working Capacity	20-25 PCS/min
Machine Size	(L)900 × (W)680 × (H)1400mm
Measurement Ton	(L)1100 × (W)900 × (H)1500mm
Machine Weight	Net Weight : 320kg Gross Weight : 420kg

SY-SR107

Square Ring Cutting Machine (One Cutting Shaft Type)



Application:

Suitable for square ring cutting
(after rubber tube shaped)



Features:

1. Equip with precise linear motion guide, servo motor and man-machine interface touch control for thickness cutting precisely and fast .It is easy to operate and adjust.
2. After cutting completed, the cutting knife returns back automatically. One person can control many sets of machine at the same time.

Specification:

Power	1.5KW
Voltage	According to the customer's assignment
Cutting Shaft	One cutting shaft
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Cutting Range (Rubber Tube)	Rubber Tube : Length: 100-250mm, Outer Diameter : Ø20-Ø130mm, Thickness(O.D.-I.D.): 5-10mm
Working Capacity	30-50 PCS/min
Optional Accessory (cost required)	Safety Fence, Safety Switch and Safety Optical Curtain
Machine Size	(L)1200 × (W)500 × (H)1600mm
Measurement Ton	(L)1300 × (W)600 × (H)1700mm
Machine Weight	Net Weight : 380kg Gross Weight : 500kg

SY-SR107-4D

Square Ring Cutting Machine (Four Cutting Shafts Type)



Application:

Suitable use for square ring cutting (after rubber tube shaped)



Features:

1. Equip with precise linear motion guide, servo motor and man-machine interface touch control for thickness cutting precisely and quickly .It is easy to operate and adjust.
2. After cutting completed, all knife return back automatically. One person can control many sets of machine at the same time.
3. 4-cutting shafts with the ability to cut 4 pcs of rubber tubes simultaneously to increase working efficiency.

Specification:

Power	3.75KW
Voltage	According to the customer's assignment
Cutting Shaft	four cutting shafts
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Cutting Range (Rubber Tube)	Length: max. 250mm, Outer Diameter : Ø20-Ø70mm, Thickness(O.D.- I.D.) : 5 ~ 10mm
Working Capacity	25-35 PCS/min(each cutting shaft)
Machine Size	(L)1300 × (W)900 × (H)1700mm
Measurement Ton	(L)1400 × (W)1000 × (H)1800mm
Machine Weight	Net Weight : 450kg 、 Gross Weight : 600kg

SY-SR107D

Square Ring Cutting Machine (Two Cutting Shafts Type)



Application:

Suitable for square ring cutting (after rubber tube shaped)

Features:

1. Equip with precise linear motion guide, servo motor and man-machine interface touch control for thickness cutting precisely and fast. It is easy to operate and adjust.
2. After cutting is completed, the cutting knife returns back automatically. One person can control many sets of machine at the same time.
3. Double cutting shafts with the ability to cut 2 pcs of rubber tubes for one time to increase working efficiency.

Specification:

Power	1.5KW
Voltage	According to the customer's assignment
Cutting Shaft	two cutting shafts
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Cutting Range (Rubber Tube)	Length: 100-250mm, Outer Diameter : Ø20- Ø70mm, Thickness(O.D.-I.D.): 5-10mm
Working Capacity	30-50 PCS/min (for each cutting shaft)
Optional Accessory (cost required)	Safety Fence, Safety Switch and Safety Optical Curtain
Machine Size	(L)1200 × (W)500 × (H)1600mm
Measurement Ton	(L)1300 × (W)600 × (H)1700mm
Machine Weight	Net Weight : 420kg 、 Gross Weight : 550kg

SY-SR107-4D-S

Auto Loading Square Ring Cutting Machine (Four Cutting Shafts Type)



Application:

Suitable use for square ring cutting (after rubber tube shaped)

Features:

1. Manual feeding, auto loading and auto offloading increase working efficiency.
2. 4-cutting shafts with the ability to cut 4 pcs of rubber tubes simultaneously to increase working efficiency and labor cost saving.
3. Equip with precise linear motion guide, servo motor and man-machine interface touch control for thickness cutting precisely and quickly.

Specification:

Power	3.75 KW
Voltage	According to the customer's assignment
Cutting Shaft	four cutting shafts
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Control System
Cutting Range (Rubber Tube)	Length: max. 100mm, Outer Diameter : Ø20-Ø70mm, Thickness(O.D.- I.D.) : 5 ~ 10mm
Working Capacity	20-35 PCS/min(each cutting shaft)
Machine Size	(L)1200 × (W)1720 × (H)1810mm
Measurement Ton	(L)1300 × (W)1820 × (H)1900mm
Machine Weight	Net Weight : 1700kg 、 Gross Weight : 2100kg

SY-SC107

Auto Rotary Type Oil Seals Dimension Inspection Machine



Application:

Suitable for oil seal springs loading and trimming dimension inspection

Features:

1. Equip with vibratory conveyor to finish full auto inspection process including trimming dimension, springs loading inspection and auto separate good product from defect product. The packed quantity is adjustable.
2. Use IPC machine with CCD Gray-level camera to inspect the trimming size and make sure all good product for customers.
3. Full auto inspection working line finish inspection efficiently and increase product value

Specification:

Power	3KW
Voltage	According to the customer's assignment
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Screen
Inspection System	IPC and CCD Gray-level camera
Working Range	Oil Seals O.D.Ø10-30mm 、Ø30-50mm (depend on machine specification)
Working Capacity	10-15 PCS/min
Machine Size	(L)1200 × (W)700 × (H)1800mm
Measurement Ton	(L)1700 × (W)800 × (H)1900mm
Machine Weight	Net Weight : 800kg Gross Weight : 900kg

SY-SC107-L

Auto Scan Type Oil Seals Dimension Inspection Machine



Application:

Suitable for oil seal springs loading and trimming dimension inspection

Features:

1. Equip with special design auto feeding unit that manual stack product and auto loading to finish auto inspection process including trimming dimension, springs loading inspection and auto separate good product from defect product.
2. Use IPC machine with CCD Gray-level camera to scan the trimming dimension and the dimension inspection tolerance is ± 0.02 mm to make sure all good product for customers.
3. Auto inspect all product efficiently and increase product value.

Specification:

Power	0.5 KW
Voltage	according to the customer's assignment
Control System	PLC, Air Pressure System and Man-Machine Interface Touch Screen
Inspection System	IPC and CCD Gray-level camera
Inspection Type	Scan
Working Range	Oil Seals O.D. $\varnothing 60 \sim 150 \text{mm}$ 、 $\varnothing 150 \sim 200 \text{mm}$ (depend on machine specification)
Working Capacity	8-12 PCS/min
Machine Size	(L)1550 × (W)850 × (H)1800mm
Measurement Ton	(L)1650 × (W)950 × (H)1900mm
Machine Weight	Net Weight : 500kg Gross Weight : 600kg

SY-G102

Cutter Grinding Machine



Application:

Suitable for grinding the trimming and cutting tool of rubber parts, plastic parts, PU parts.



Features:

1. It's available to grind knife for sharp angle and arc angle.
2. Attached with diamond grinding wheel, and available to grind tungsten steel knife or CBN knife. Easy operation and the finished knife is keen.
3. Make the knife sharp and durable.
4. High speed steel, grinding wheel can be changed to use the CBN (Cubic Boron Nitride) ,additional cost shall be required.

Specification:

Power	0.5KW
Voltage	Single Phrase, 220V 50/60HZ
Grinding Wheel	Hole Dia: 1/2", Outer Diameter: 150mm, Thickness: 16mm
Diamond Grinding Wheel	Inner Diameter 1/2", Outer Diameter: 5"
Grind Angle	Arc Angle and Sharp Angle
Optional Accessory (cost required)	Safety Fence
Machine Size	(L)460 × (W)420 × (H)720mm
Measurement Ton	(L)560 × (W)520 × (H)820mm
Machine Weight	Net Weight : 80kg, Gross Weight : 150kg

SY-G102-W

Cutter Grinding Machine (Cooling System)



Application:

Suitable for grinding the trimming and cutting tool of rubber parts, plastic parts, PU parts.



Features:

1. It's available to grind knife for sharp angle and arc angle.
2. Attached with diamond grinding wheel and available to grind tungsten steel knife or CBN knife. Easy operation and the finished knife is keen.
3. Make the knife sharp and durable.
4. Equip with cool system. Grind and cool down, the knife will be more precise and durable.

Specification:

Power	1KW
Voltage	Single Phase, 220V 50/60HZ
Grinding Wheel	Hole Dia: 1/2", Outer Diameter: 150mm, Thickness: 16mm
Diamond Grinding Wheel	Inner Diameter 1/2", Outer Diameter: 5"
Grind Angle	Arc Angle and Sharp Angle
Machine Size	(L)680 × (W)500 × (H)1100mm
Measurement Ton	(L)780 × (W)600 × (H)1200mm
Machine Weight	Net Weight : 120kg Gross Weight : 200kg

SY-RA109

Auto Rotary Type Valve Steam Seals Trimming & Springs Loading Machine



Application:

Suitable for various types of valve steam seals trimming, springs loading and inspecting.

Features:

1. Use rotary platen for 6-stations cycle to auto feed, load valve steam seals, locate, trim, springs load, inspect the location of springs and auto offloading working pieces.
2. Equip with vibratory conveyor and mechanical arm to auto finish all working process .
The auto working cycle can separate good products from defect products to save time for management.

Working Range:

Various types of valve steam seals

Working Capacity:

18-22 PCS/min

SY-PVS107-CD

Auto Valve Steam Seals Springs Loading and Trimming Dimension Inspection Machine



Application:

Suitable for various types of valve steam seals springs loading , spring loading inspection and trimming dimension inspection.

Features:

1. Auto processing line includes auto feeding, locating, springs loading, spring loading inspection ,auto offloading and auto separate good product from defect product.
2. Use IPC machine with CCD Gray-level camera to inspect the trimming dimension and make sure all good product for customers.

Working Range:

Various types of valve steam seals.

Working Capacity:

25-35 PCS/min

SY-V107-S

Auto Vacuum Type Oil Seals Trimming and Springs Loading Machine



Application:

Suitable for various types of oil seals trimming ,springs loading and inspect spring loading

Features:

1. Auto processing line includes auto feeding, auto working process including auto feeding, locating, trimming, springs loading, spring loading inspection, auto offloading and auto separate good product from defect product.
2. Auto finish all working process with high efficiency to cut down the production cost.

Working Range:

Various types of oil seals outer diameter
Ø20-Ø40mm , Ø40-Ø60mm.

Working Capacity:

8-14 PCS/min

SY-V107-CD

Auto Vacuum Type Oil Seals Trimming and Dimension Inspection Machine



Application:

Suitable for various types of oil seals trimming and trimming dimension inspection.

Features:

1. Auto processing line includes auto feeding, auto working process including auto feeding, locating, trimming, trimming dimension inspection ,auto offloading and auto separate good product from defect product.
2. Use IPC machine with CCD Gray-level camera to inspect the trimming size and make sure all good product for customers.

Working Range:

Oil seals outer diameter Ø20~40mm 、
Ø40~60mm

Working Capacity:

8-14 PCS/min

SY-AS107-CD

Auto Oil Seal Springs Loading and Trimming Dimension Inspection Machine



Application:

Suitable for various types of oil seals springs loading , spring loading inspection and trimming dimension inspection.

Features:

1. Auto processing line includes auto feeding, locating, springs loading, spring loading inspection ,auto trimming dimension inspection ,auto offloading and auto separate good product from defect product.
2. Use IPC machine with CCD Gray-level camera to inspect the trimming dimension and make sure all good product for customers.

Working Range: Oil seals outer diameter $\phi 20 \sim 40 \text{mm}$, $\phi 40 \sim 60 \text{mm}$

Working Capacity: 20-35 PCS/min

SY-V107-SCD

Auto Vacuum Type Oil Seals Trimming , Spring Loading and Dimension Inspection Machine



Application:

Suitable for various types of oil seals trimming , spring loading and trimming dimension inspection.

Features:

1. Auto processing line includes auto feeding, locating, trimming, spring loading, spring loading inspection, trimming dimension inspection ,auto offloading and auto separate good product from defect product.
2. Use IPC machine with CCD Gray-level camera to inspect the trimming dimension and make sure all good product for customers.

Working Range: Oil seals outer diameter $\phi 20 \sim 40 \text{mm}$, $\phi 40 \sim 60 \text{mm}$

Working Capacity: 8-14 PCS/min

SY-V107-DS

Auto Vacuum Type Oil Seals Double Sides Trimming and Spring Loading Machine



Application:

Suitable for various types of oil seals trimming, springs loading and inspect spring loading.

Features:

1. Auto processing line includes auto feeding, locating, two sides trimming, two sides springs loading, two sides spring loading inspection ,auto offloading and auto separate good product from defect product.
2. Auto finish all working process with high efficiency to cut down the production cost.

Working Range: Oil seals outer diameter $\varnothing 20\text{-}\varnothing 40\text{mm}$, $\varnothing 40\text{-}\varnothing 60\text{mm}$.

Working Capacity: 8-12 PCS/min

SY-V107-S0

Auto Vacuum Type Oil Seals Trimming , Spring Loading and Grease Filling Machine



Application:

Suitable for various types of oil seals trimming, spring loading and grease filling.

Features:

1. Auto processing line includes auto feeding, locating, trimming, two sides spring loading, two sides spring loading inspection ,auto offloading and auto separate good product from defect product.
2. One operator can operate many sets of machine simultaneously to cut down production cost.

Working Range: Oil seals outer diameter $\varnothing 20 \sim 40 \text{mm}$, $\varnothing 40 \sim 60 \text{mm}$

Working Capacity: 8-14 PCS/min

SY-AV107-ACD

Auto Vacuum Type Air Valve Seals Working Machine

(Auto Trimming, Dimension Inspection, Airtight Testing and Stacking)



■ Application:

Suitable for air valve seals trimming, trimming dimension inspection, airtight testing.

■ Features:

1. Auto feeding → auto locating → auto trimming → auto trimming dimension inspection → auto airtight testing → auto offloading → auto separate good product from defect product → auto stacking good product.
2. Use precise instrument and mechanical arms to finish auto line working process. Increase working efficiency and product value.

■ **Working Range:** Max. outer diameter Ø35 mm

■ **Working Capacity:** 10-12 PCS/min

SY-ASC0107

Auto Oil Seals Spring Loading, Dimension Inspection, Airtight Testing and Grease Filling Machine



■ **Application:**

Suitable for oil seals spring loading, dimension inspection, airtight testing and grease filling.

■ **Features:**

1. Auto processing line includes auto feeding, auto line working process including auto feeding, locating, spring loading, spring loading inspection, dimension inspection, airtight testing, auto separate good product from defect product and grease filling to good product and stacking the finished product.
2. Stacking quantity is adjustable.
3. One operator can operate many sets of machine simultaneously to cut down production cost.

■ **Working Range:** Oil seals O.D. max. Ø70mm ,
springs O.D. max. Ø56mm

■ **Working Capacity:** 20~30 PCS/min



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