



WNR Series

Oil Seal and Metal Case Combining Machine 油封鐵殼組合機

This machine is used for combining oil seal with the metal case(binded seals, oil seals) .
將油封及鐵殼滾組合在一起(骨架型油封及鐵殼)

Features 特點

- Attached with 2 independent high speed cylinders and rolling with lower speed to achieve the best rolling quality with more efficiency.
- Attached with the Inverter to adjust the gyration speed of the spindle to achieve the best rolling quality.
- 兩支獨立高速氣缸以慢速進行滾邊，取得最好的滾邊品質及效率。
- 配置變頻器調整主軸轉速以得到最好品質。



KS-1

Knife Grinding Machine 磨刀機

Features 特點

- The water cooling system will cool down the grinding temperature to avoid the overheating of the blade.
- The gear handle and double slides help the operator to orientate the blade precising and easily.
- 採水冷式冷卻刀片以避免刀片過熱。
- 齒輪把手及雙十字滑座協助使用者精確定位。



NCHL Series

Oil Seal Dimension Measuring Machine 油封尺寸測量機

This machine is attached with the CCD camera to measure the dimension of the oil seal.
本機器以CCD測量油封的尺寸。

Features 特點

- The operator will get the Inner/Outer dimension in about 1 sec after the hand leave the measuring glass plate.
- The measured report can be saved in the USB device for further analysis purpose by the computer.
- 操作者於手離開玻璃盤面後約1秒鐘內得到測量尺寸。
- 測試報告能被儲存於USB裝置上，以作為進一步分析之用。



MT-150/MT-25A

Metal Case Trimming Machine 鐵殼導角機 - 立式 / 臥式

Used to cut the height and edges of the metal cases.
適用於鐵殼的角度及高度修邊。

Features 特點

- Automatically finishes all operations in one cycle. Cutting speed is much faster than lathe.
- The machine is attached with the Inverter to adjust the gyration speed of the shaft.
- 一次完成所有的動作，工作速度遠快於車床。
- 配備變頻器以調整主軸轉速。



Vertical
立式



Horizontal
臥式

G-WAY MACHINERY | Whole Plant Oil Seal Production

吉瑞精機 | 油封整廠自動化設備

Machinery Range 產品全系列

Oil Seal & Rubber Parts Trimming Machine 油封及橡膠件整修機 - 標準機型

- NR Vacuum Type 真空式機型
- NRC Collet Chuck Type 夾頭式機型
- CRT Rotary Type 轉盤式機型
- RRT Ring Cone Type 輪轉式機型

Oil Seal Trimming Machine-Automatic 油封整修機系列 - 全自動機型

- ANR Auto Vacuum Type 真空式全自動機型
- ANRC Auto Collet Chuck Type 夾頭式全自動機型
- ACRT Auto Rotary Type 全自動轉盤式
- ATAS Auto Trimming and Spring Loading 自動修邊裝簧機
- ATOAS Auto Trimming,Dimension Measuring,and Spring Loading Machine 自動修邊，裝簧及尺寸測量機

Optional Device 選配輔助設備

- NCHL Oil Seal Dimension Measuring Machine 油封尺寸測量機
- ASA Oil Seal Spring Loading Machine 油封裝彈簧機
- OASA Oil Seal Spring Loading and Dimension Measuring Machine 油封裝簧及尺寸測量機
- MT Metal Case Trimming Machine 鐵殼導角機
- WNR Metal Case Combining Machine 油封鐵殼組合機
- KS Knife Grinding Machine 磨刀機
- SF Oil Seal Garter Spring Coiling Machine 彈簧成型機
- SCF Oil Seal Garter Spring Jointing Machine 彈簧接圓機
- LT Life Testing Machine 壽命測試機
- Mold Preheating Machine 模具預熱機
- Mold Polishing Machine 模具拋光機
- Grease Applying Machine 注黃油機
- Rubber Raw Material Weight Scale 配方秤重機
- Correlated Machine 其他相關機具



生產據點 Location

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TungYu
FORMING INNOVATION

東毓油壓集團
TungYu Hydraulic Group

G-WAY
Whole Plant Oil Seal Production

NR Series
Vacuum Type Oil Seal
Trimming Machine
真空式油封整修機



NR Series

Vacuum Type Rubber Parts Trimming Machine 真空式橡膠件整修機

The machine is used for cutting flash of the circle parts like the rubber oil seal, rubber wheel, rubber cups, packing, and PU.
橡膠件整修機用以切削圓型物件如橡膠油封、橡膠輪子、迫緊、皮碗及PU毛邊。

Features 特點

- Manual feed and auto trim.
- The vacuum generator will suck the oil seal through the mold during the cutting period to get the best cutting precision.
- There are many cutting mode for the user to choose. To cut the inner and outer flash simultaneously.
- The user can choose the Inverter to adjust the spindle speed.
- The light curtain and fence will protect the operator's safety and keep the working environment clean.[CE type]
- 手動送料自動修邊。
- 利用真空特性配合模具吸住加工物件以切割毛邊，以得到最好切割品質。
- 多種切割模式可供選擇。內外毛邊切除一次完成。
- 使用者可選擇使用變頻器以調整主軸轉速。
- 光幕保護操作者安全，圍籬維護環境乾淨。[CE型式]



NRC Series

Collet Chuck Type Trimming Machine 夾頭式油封整修機

This machine is used for cutting the flash of the metal case oil seal.
適用於鐵殼型油封的內外毛邊的切削。

Features 特點

- Manual feed and auto trim.
- The #25 collet chuck grabs the oil seal to cut the flash.
- There are many cutting mode for the user to choose. To cut the inner and outer flash simultaneously.
- Cutting range: O.D. 10-210mm.
- 手動送料自動修邊。
- 利用#25型彈性夾頭夾住加工物件以切割毛邊。
- 多種切割模式可供選擇，內外毛邊切除一次完成。
- 加工範圍外徑10-210mm。

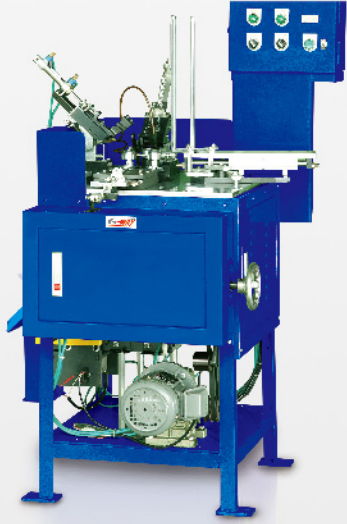


RRT

Ring Cone Type Trimming Machine 輪轉式油封整修機

Features 特點

- Auto feed and auto trim.
- Cutting the outer and inner flash at a time.
- One person operates 2 or 3 machines at the same time.
- 自動送料自動修邊。
- 內外徑一次切割完成。
- 操作人員可一次操作2-3台機器。



ANR Series

Auto Vacuum Type Oil Seal Trimming Machine 真空式全自動油封整修機

This machine is especially suitable for trimming the flash of large volume oil seal.
適用於切削多量少樣的油封。

Features 特點

- Auto feeding, trimming, and collecting most of the trimmed flash.
- This machine avoid imprecise cutting because the central point is static while the spindle is rotating.
- 自動送料、自動修邊並收集大部分毛邊。
- 切割位置的中心點固定以避免不精確的切割。



ATAS Series

Oil Seal Trimming and Spring Loading Machine 油封修邊及裝彈簧機

This machine is suitable to cut the flash and load the spring with high volume oil seals in the production line.
本機器適用於生產線上多量少樣油封的切削毛邊及裝填彈簧。

Features 特點

- The vacuum generator/gripper feeds the oil seal to precisely fit it onto the cutting mold and then cut the flash.
- Magnet rotator/Vibrating tray feeds the spring to appropriate location.
- The tooling is pulled fast by the air cylinder to combine the oil seal with the spring.
- It will check if the spring is being correctly loaded by metal probe and sort out defects.
- 吸盤/夾爪將油封精確的置放於主軸之上然後切割毛邊。
- 磁盤/震動盤將彈簧送至正確掛簧位置。
- 氣缸快速的推動治具來將油封與彈簧組合。
- 以探針確認彈簧是否正確裝填並將不良品分離。



ATOAS Series

Oil Seal Trimming, Spring Loading and Dimension Measuring Machine 油封修邊裝簧及尺寸測量機

This machine is suitable to cut the flash, load the spring and use the CCD camera to measure the dimension of high volume oil seals.
本機器適用於大量油封的切割毛邊，裝填彈簧及尺寸的測量。

Features 特點

- The operator teach how to measure the part's dimension through the 2D or 3D gauge. Then sets the machine with the standard parameters and the tolerances in HMI.
- Magnet rotator/Vibrating tray feeds the spring/seal to appropriate location.
- The tooling is pulled fast by the air cylinder to combine the oil seal with the spring.
- The CCD camera will measure dimension of the I.D./O.D. of the trimmed seals.
- It will check if the spring is being correctly loaded by metal probe and sort out defects.
- The measured report can be saved in the USB device for further analysis purpose by the computer.
- 操作者經由2D或3D的儀器教導如何測量尺寸，然後於HMI上輸入標準尺寸及上下限值。
- 磁盤/震動盤將彈簧/油封送至正確掛簧位置。
- 氣缸快速的推動治具來將油封與彈簧組合。
- CCD攝相機測量裝簧後的內徑及外徑。
- 以探針確認彈簧是否正確裝填並將不良品分離。
- 測試報告能被儲存於USB裝置上，以作為進一步分析之用。



ASA Series

Oil Seal Spring Loading Machine 油封裝彈簧機

This oil seal machine is especially suitable for loading springs with large volume oil seals.
本機器適用於大量油封與彈簧的組合。

Features 特點

- Magnet rotator/Vibrating tray feeds the spring to appropriate location.
- The tooling is pulled fast by the air cylinder to combine the oil seal with the spring.
- It will check if the spring is being correctly loaded by metal probe and sort out defects.
- 磁盤/震動盤將彈簧及油封送至正確掛簧位置。
- 氣缸快速的推動治具來將油封與彈簧組合。
- 以探針確認彈簧是否正確裝填並將不良品分離。

