

隆鋁機械企業有限公司  
**LUNG CHANG MACHINERY**  
**ENTERPRISE CO., LTD.**





# EXTRUDER SCREW AND BARREL

APPLICABLE MACHINES  
SCREWS FOR VARIOUS EXTRUDER MACHINES

PROCESS RANGE  
OUTSIDE DIA:  $\phi$  50mm to  $\phi$  400mm  
INSIDE DIA:  $\phi$  20mm to  $\phi$  250mm  
LENGTH: 350mm to 6000mm

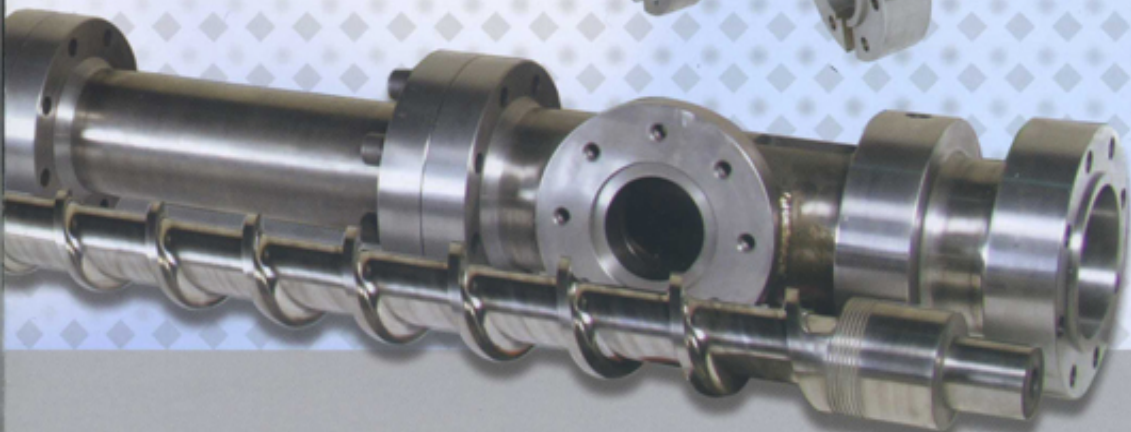
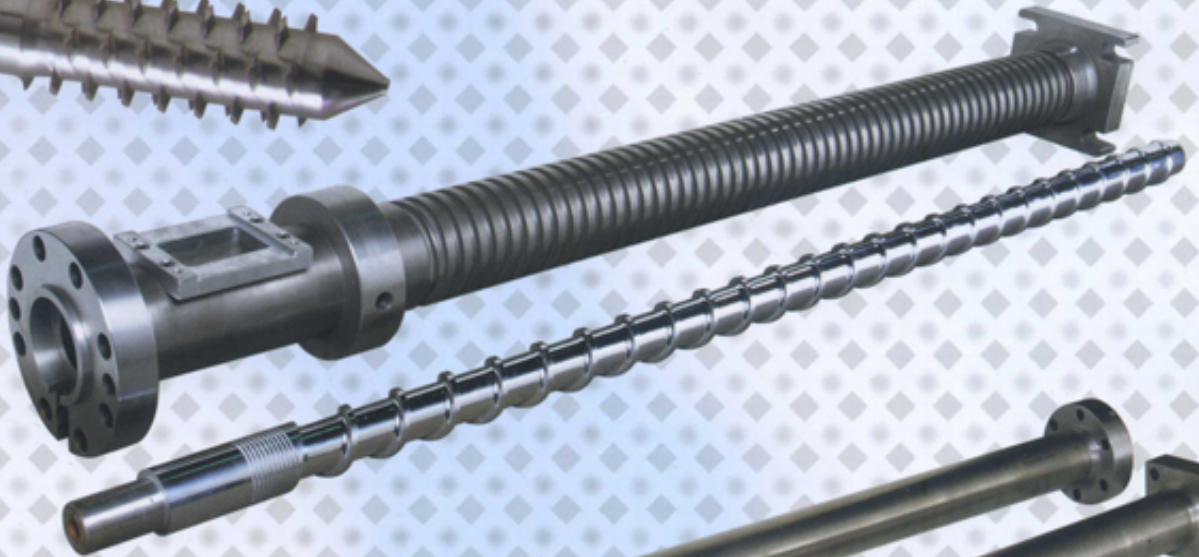
押出螺桿、料管







- \* Wear-resistant, high mixer, production increased, life span extended
- \* Cautious process procedures
- \* Design of advancing extrusion by net pressure
- \* Design of advancing high quality plastination
- \* Screws are designed for the ratio and properties from different plastic material







# EXTRUDER SCREW AND BARREL




APPLICABLE MACHINES  
BARRELS FOR VARIOUS EXTRUDER MACHINES

PROCESS RANGE  
OUTSIDE DIA:  $\phi$  20mm to  $\phi$  250mm  
LENGTH: 350mm to 6000mm

押出螺桿、料管

With precise design, manufacturing, and special alloy hardening treatment, our screws and barrels lead to longer service life and higher productivity; precise processing also creates good quality.

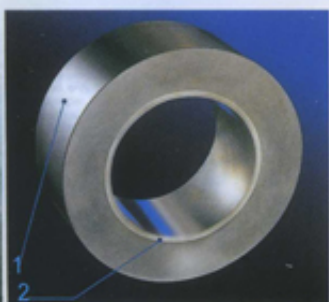
TCB合金種類及特性  
Characteristic and application of TCB alloy

合金係及主要成份	硬度(HRC)	耐磨性	耐腐蝕性	溫度範圍(°C)	熱膨脹係數(合金) RT-250°C (°C) RT-400°C (°C)	樹脂種類
 TCB-10 Fe-Ni-B	54-60	●	●	≤400	$11.0 \times 10^{-6}$ $11.4 \times 10^{-6}$	一般樹脂 適用樹脂：腐蝕性：小 含碳量：30%以內 PE, PP, ABS, AS, PS, TPE
 TCB-12 Fe-Ni-Cu-B	56-62	●	●	≤400	$11.0 \times 10^{-6}$ $11.4 \times 10^{-6}$	一般樹脂 適用樹脂：腐蝕性：中 含碳量：30%以內 PE, PP, ABS, AS, PS, TPE 熱塑性樹脂：EP, PU, PE, UP
 TCB-20 Fe-Ni-Cu-B Cr, Mo, V	62-68	●	●	≤450	$11.4 \times 10^{-6}$ $12.1 \times 10^{-6}$	一般樹脂 適用樹脂：腐蝕性：大 含碳量：30%以上 PE, PP, ABS, AS, PS, TPE 鹽化物樹脂 PVC
 TCB-90 Ni-Co-Cr-B+WC	60-66	●	●	≤450	$8.0 \times 10^{-6}$ $8.3 \times 10^{-6}$	一般樹脂 適用樹脂：腐蝕性：強 含碳量：40%以上 PE, PP, ABS, AS, PS, TPE 腐蝕性添加劑比率高者

◎ EXPLANATION OF SYMBOLS :  傑出的 excellent 好的 good 普通的 general







1 BARKING MATERIAL  
2 TCB ALLOY



## BRIEF INTRODUCTION FOR SPECIAL-ALLOY SURFACE COATING

Processing method:

Over welding of Nickel based alloy on the thread surface.

Features:

- \* Evenly hardened Surface with 1 m/m thickness.
- \* Hardness will not decrease under normal temperature.
- \* Corrosion resistant and especially suitable for PVC material.
- \* The hardened surface is 2 or 3 times more wear-resistant than regular screws.

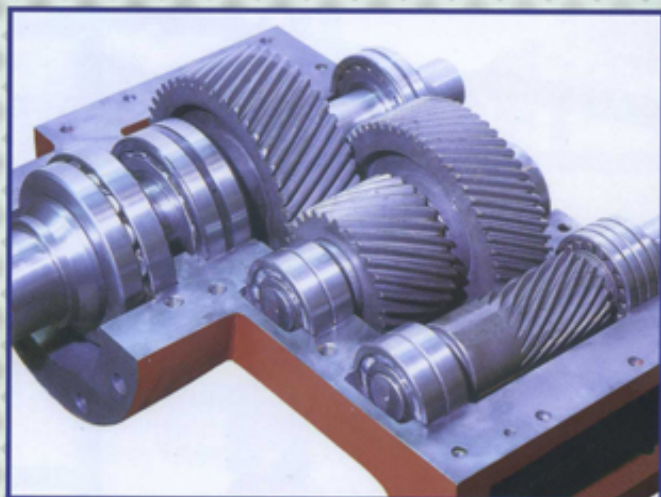






# VARIABLE GEAR BOX

無段變速齒輪箱

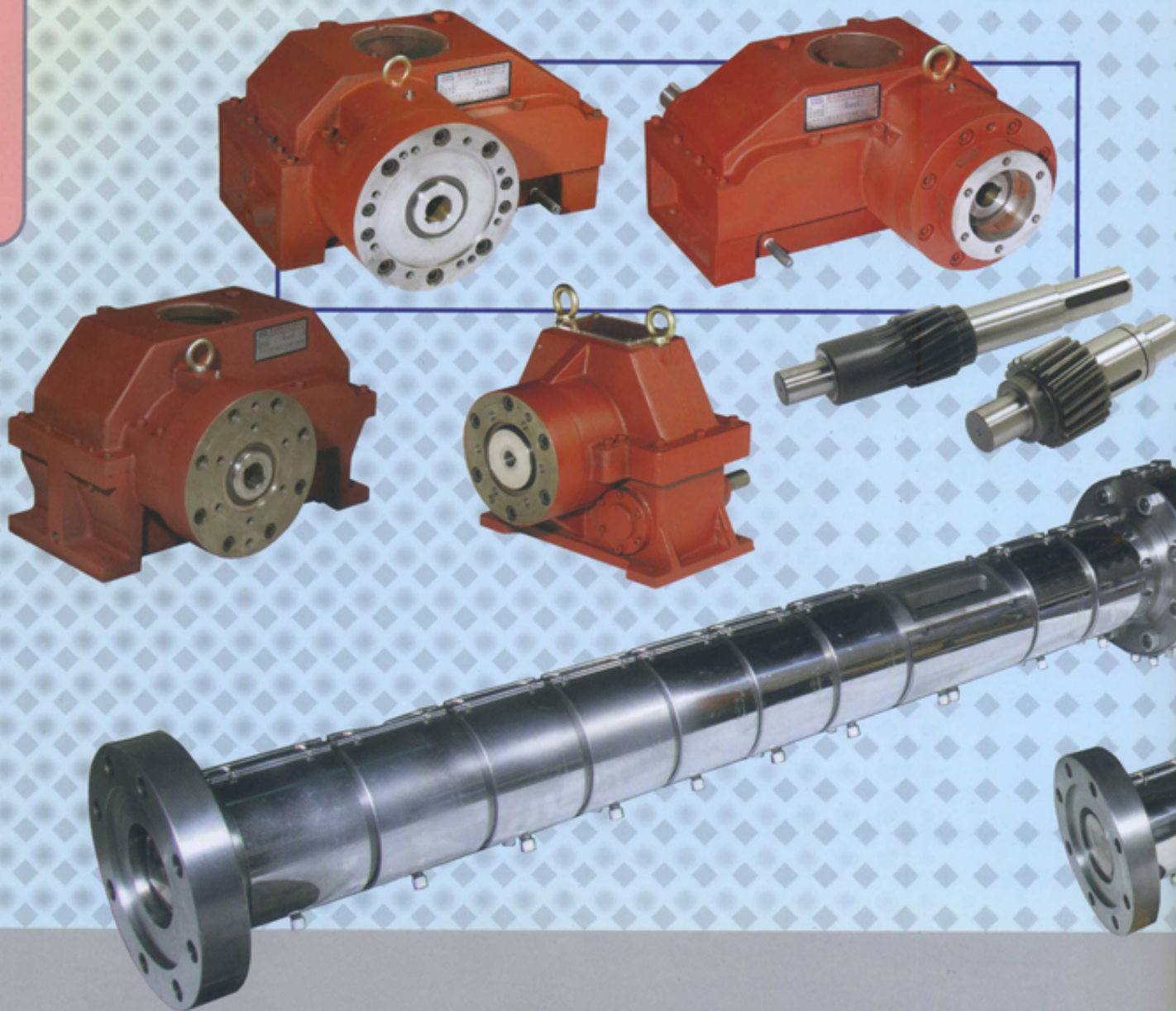


GEAR BOXES FOR VARIOUS EXTRUDER MACHINES

APPLICABLE RANGE/EXTRUDER MACHINES

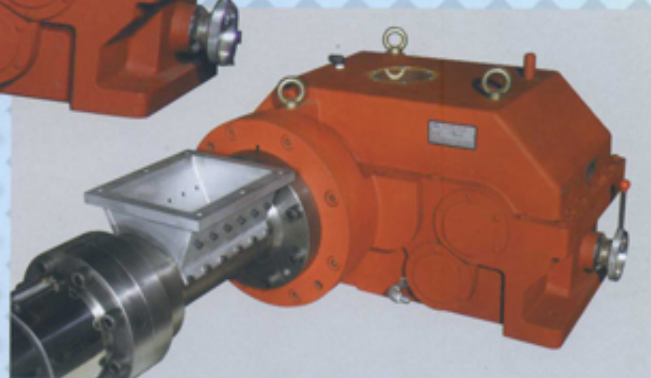
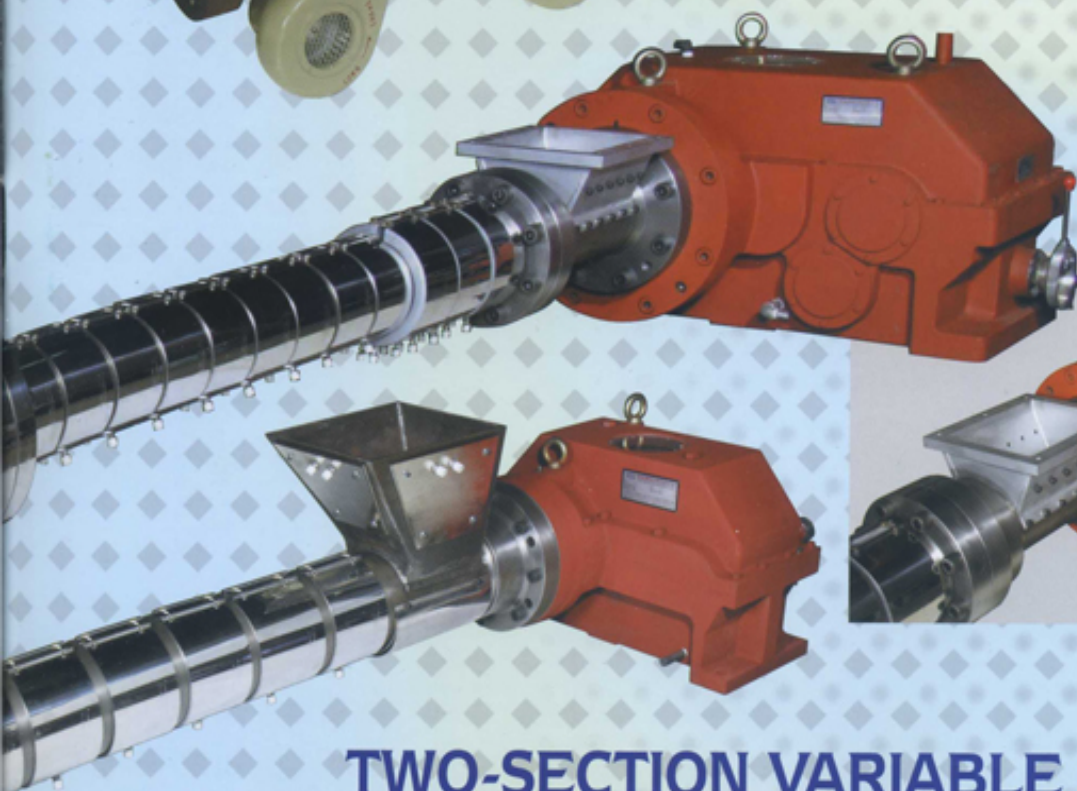
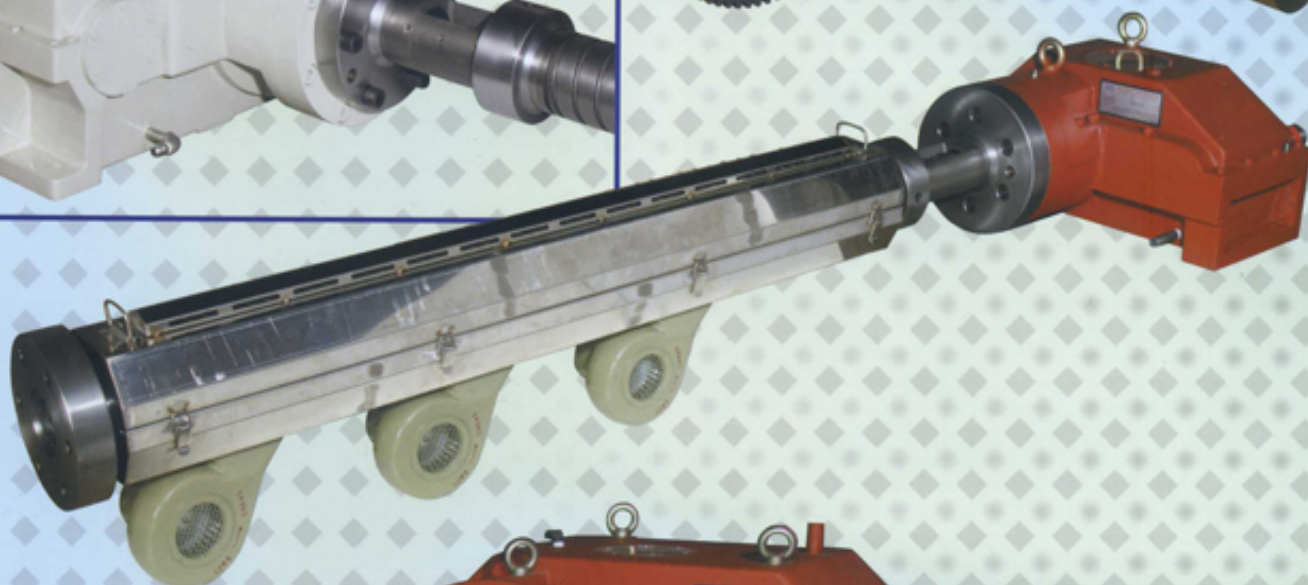
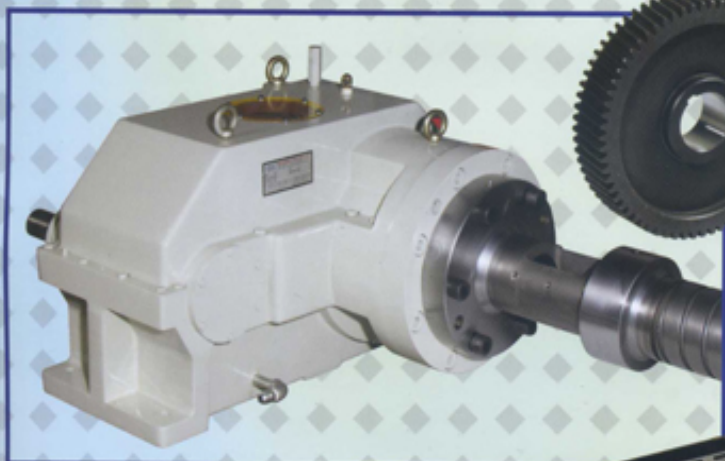
SCREW DIA:  $\phi$  25mm to  $\phi$  150mm

DOUBLE BEARING DESIGN





Equipped with precise gearbox newly developed by ourselves, our extruder features improved performance, high efficiency, and extended service life. We also produce and export various kinds of extruding machine parts and components. Contact us for more information.



**TWO-SECTION VARIABLE GEAR BOX**



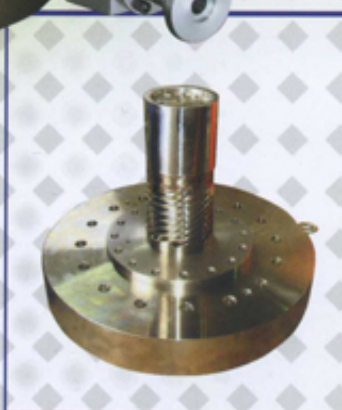
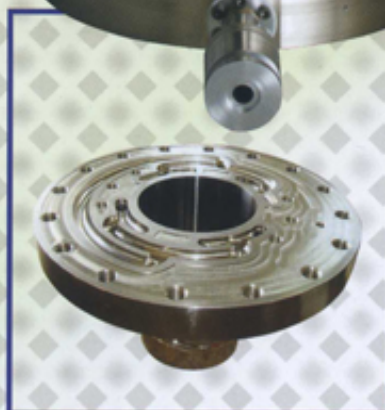


# DIE-HEADS / ACCESSORIES

模頭 / 零組件



FIVE LAYER  
DIE-HEAD (A.B.C.D.E)



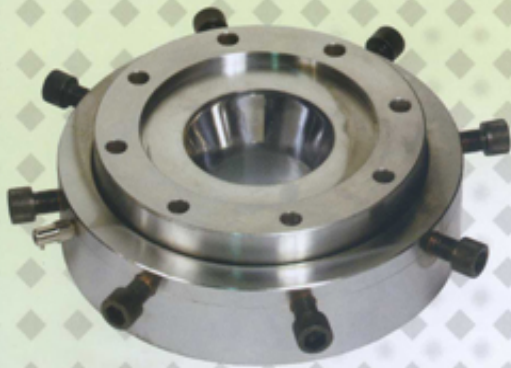
MANUAL SCREEN  
CHANGER



DIE-HEAD



**BLOWN FILM DIE-HEAD**



**ROTARY AIR RING (HDPE)**



**BLOWN FILM AIR RING - LDPE**



**PVC ELECTRIC WIRES  
EXTRUDER DIE-HEAD**



**360 DEGREE  
ROTARY DIE-HEADS (LDPE)**





## INJECTION SCREW AND BARREL

射出螺桿、料管



### CHARACTERISTICS OF THE PRODUCT:

- \* Made of high-class special steel material.
- \* The plain material is treated by thermal process.
- \* The latest precise processing main machine.
- \* Designing and processing of the product's properties.
- \* The strictest quality control.
- \* Upgrading the quality and increasing the production.







**Lung Chang Machinery Enterprise Co., Ltd.** was established in 1983. We have long-time, plenty and professional experience in designing, processing and manufacturing screws, barrels and gear boxes for plastic machines.

We use the latest design concept to produce screws, barrels and gear boxes. In addition to designing the parts based on different properties of each plastic material, we make production according to customers' prints and requirements as well.

The special steel and material we use are hardened and processed carefully through cautious progress. We supply high quality screws and barrels with nitriding treatment, hard chrome plating and bimetal procedures. Our products are wear-resistant, rust-resistant, rapid feed speed, smooth, well-mixed and long-life. Moreover, all our products are manufactured by the newest processing machines. Under strict process control and inspection of every procedure, we offer customers precise, lasting and high quality components of plastic machines.

**Lung Chang Machinery Enterprise Co., Ltd.** always holds the spirit as an artificer to make continuous R&D and improve the quality and efficiency of customers' machines to create more profits for customers. Our insistence on outstanding quality has earned confidence and good reputation from valued customers both in local and foreign markets.



## **LUNG CHANG MACHINERY ENTERPRISE CO., LTD.**

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