

# LABORATORY INTENSIVE MIXER



## For Rubber And Plastic

This 1.8L Laboratory Intensive Mixer is designed for material research and development applications in the laboratory. It consists of several mechanisms such as: rotors in the heating chamber (mixing chamber), a dust stop system, a pressurized material feeding system, a material outfeed system, a transmission system, heating/cooling systems, air and hydraulic systems, and an electric control system. The machine features a same-compounding function - as that on production-type mixers. The drive system provides a choice of variable or fixed speeds.

### TEMPERATURE REGULATION :

The heating chamber (mixing chamber) and rotors are built with water circulation sleeves assuring excellent cooling effect and heat transfer efficiency.

### DUST STOP COMPARISON :

A spring-loaded type stopper.

### OPTIONAL EQUIPMENT :

5 step timer, PLC, temperature, speed and motor current recorder.

### 研究室用密封式高速混合機

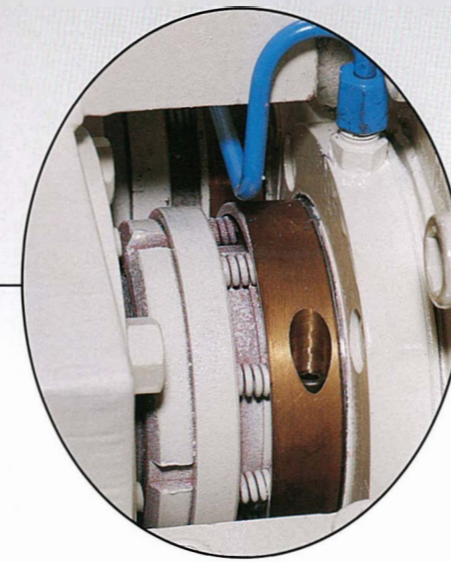
1.8L 密封式高速混合機是針對研究室做各種橡膠、塑膠材料研究開發用，其主要結構是由加熱室（混煉室）輥軸部分、投料及壓料裝置部分、卸料裝置部分、傳動裝置部分、加熱冷卻及氣壓、液壓電控系統等所組成。本產品的設計和生產用的密封式高速混合機的混煉狀態，是具有相同性的。驅動裝置依客戶需求可安裝無段變速驅動或固定轉速驅動。

溫度調節：加熱室（混煉室）和輥軸部份有內置循環水套，具有良好的冷卻效果及傳熱率。

止粉裝置（密封裝置）：採用彈簧式止粉裝置。

其他選購配備：可安裝五段計時器、P.L.C. 程式控制器、溫度、轉速或馬達電流等記錄器。

# HIGHLY EFFICIENT RESULTS. REALIZE YOUR EXPECTATIONS - EVERY TIME.



▲ 彈簧式止粉裝置  
A spring-loaded type stopper.



### ROTOR CONFIGURATIONS:

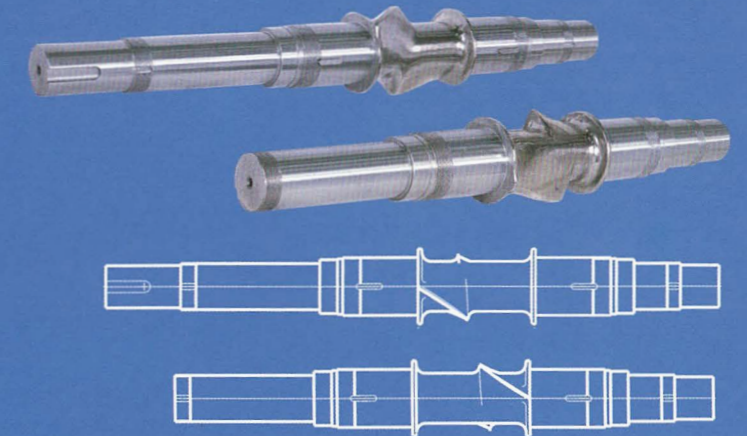
#### TANGENTIAL ROTOR:

There are two blades on the rotor. Both rotors run at different speeds causing non-engagement of the blades.

#### 輥軸形式：

本產品輥軸部分依使用的形式，有輥軸相切型和輥軸啮合型兩種，

一. 相切型輥軸：輥軸上有兩葉片，兩輥軸具有速度差，葉片彼此不相啮合。

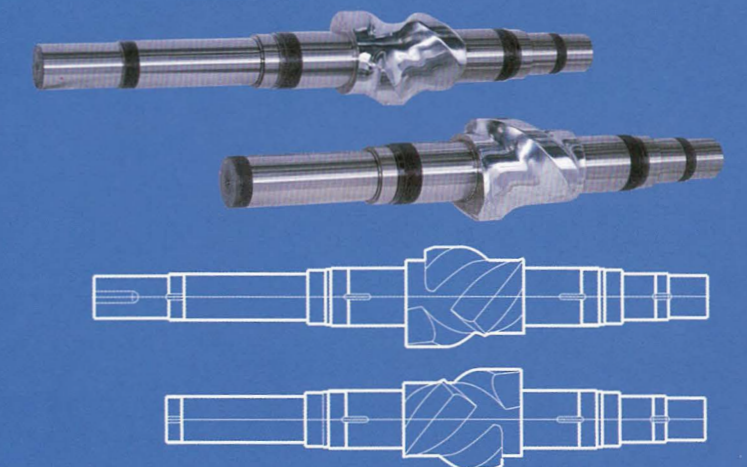


▲ 相切型輥軸

#### ENGAGED ROTOR:

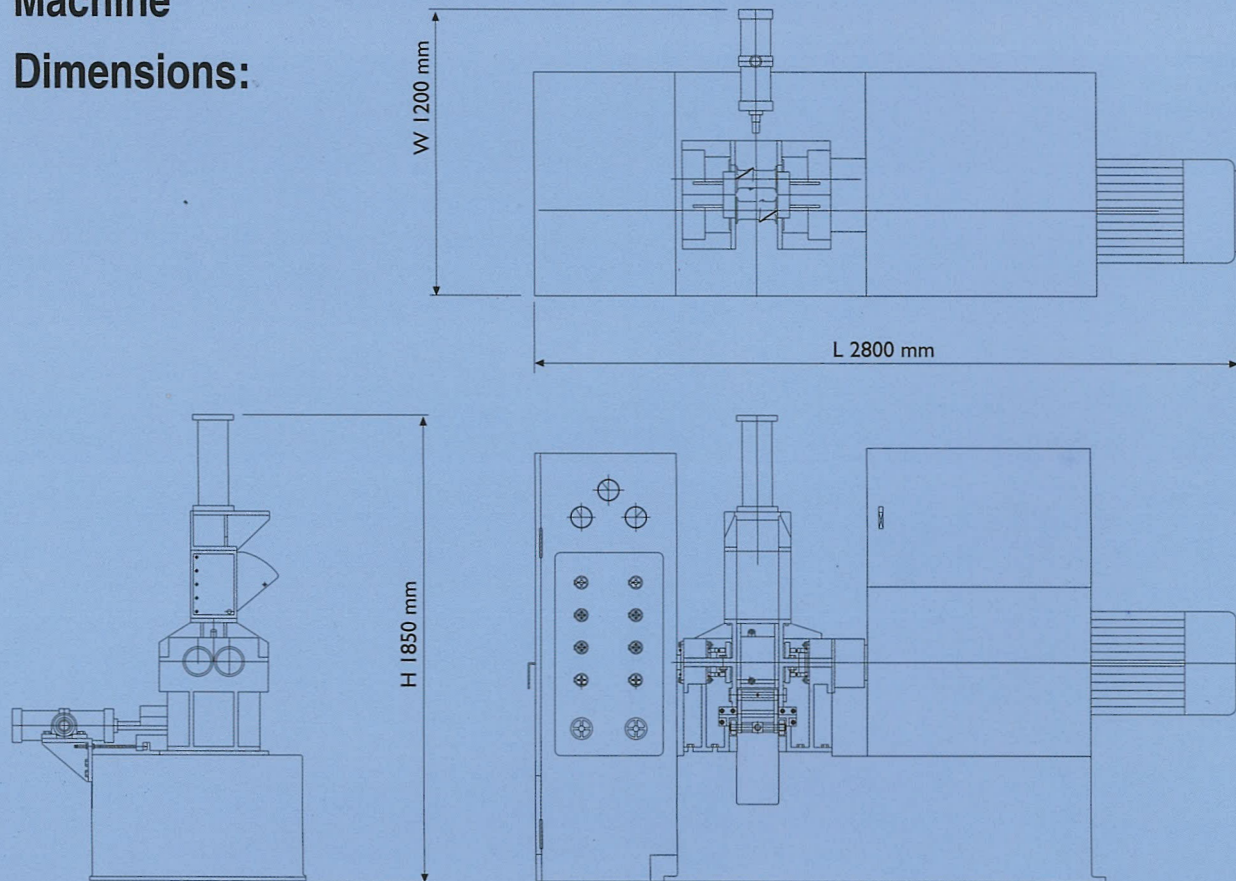
There are two blades on the rotor. Both rotors run at the same speed causing engagement of the blades.

二. 啮合型輥軸：輥軸上有兩葉片，兩輥軸的轉速相同，彼此的葉片相啮合。



▲ 啮合型輥軸

# Machine Dimensions:



**IM 1.8L**

## 規格說明 SPECIFICATIONS

形 式 Model	淨容積 Net Capacity	輓軸轉速 Roller Speed	變頻馬達輸出 Inverted Control Motor	外觀尺寸 Dimensions (mm)
IM 1.8L	1.8L	前(F) 6.6~66 r.p.m 後(R) 6~60 r.p.m	AC 25 HP	長 (L) 2800 (mm) 寬 (W) 1200 (mm)
IME 1.8L	1.8L	前(F) 6.6~66 r.p.m 後(R) 6.6~66 r.p.m	AC 25 HP	高 (H) 1850 (mm)

\* 本型錄為提供客戶訂購參考用，若遇設計及規格變更，恕不另行通知。

This catalogue is for order reference only, design and specifications are subject to change without notice.