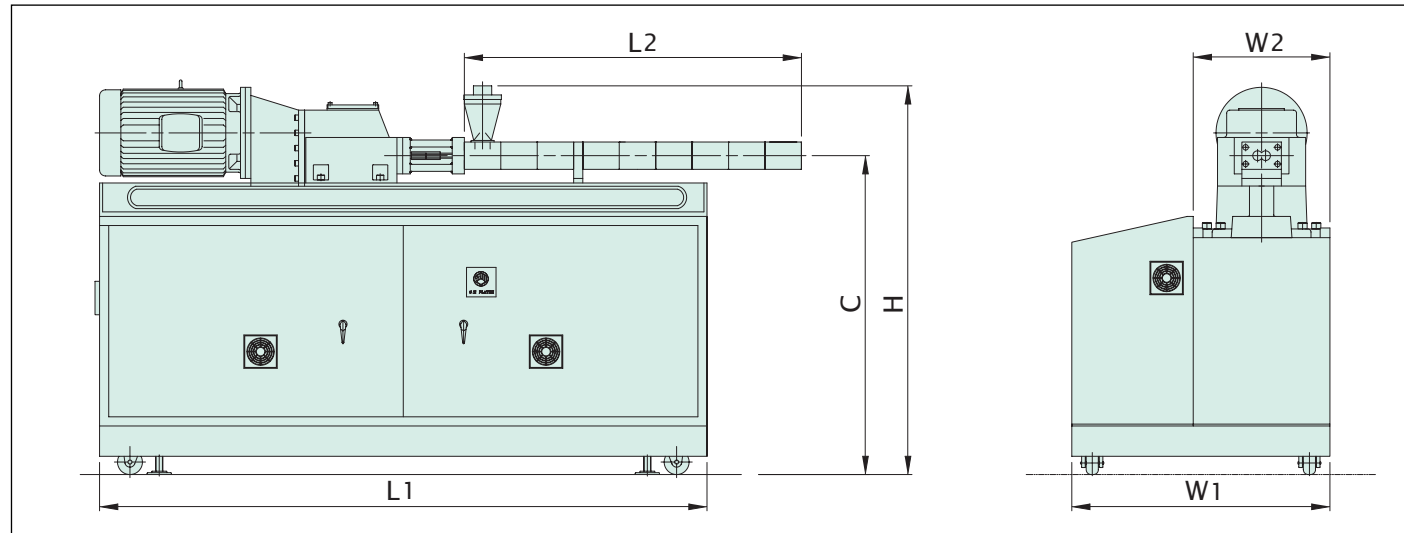


■ TECHNICAL SPECIFICATION

DESCRIPTION	TEK 20	TEK 25	TEK 25 MHS	TEK 30	TEK 30 MHS
THROUGH PUT (kg/hr)	3~10	5~30	5~100	5~100	20~200
SCREW DIAMETER (mm)	20	25	27	32	32
SCREW DEPTH (mm)	3.5	4.2	4.79	5.8	6.1
SCREW L/D	20~60	20~60	20~60	20~60	20~60
SCREW MAX. TORQUE (N.m)	80	140	215	233	380
SCREW SPEED (rpm)	480	300 500	366 500 732 1000	300 460 600 900	380 550 754 1100
MAIN MOTOR POWER (kw)	3.7	5.5 7.5	11 15 22 30	7.5 11 15 22	15 22 30 45
HEATER	0.3kw × 2 / BARREL SECTION	0.5kw × 2 / BARREL SECTION 1.0kw/DIE	0.5kw × 2 / BARREL SECTION 1.0kw/DIE	0.8kw × 2 / BARREL SECTION 1.0kw/DIE	1.0kw × 2 / BARREL SECTION 1.5kw/DIE
STRAND DIE	φ 4.0×1~3 HOLES	φ 4.0×2~3 HOLES	φ 4.0×2~5 HOLES	φ 4.0×2~5 HOLES	φ 4.0×3~9 HOLES
WEIGHT(kg)	500	980	2500	1050	2500

■ DIMENSION (L/D36)

TEK20=7B TEK25/30=9B



CODE	TEK 20	TEK 25	TEK 25 MHS	TEK 30	TEK 30 MHS
L1	1871	2125	2500	2311	2600
L2	720	924	924	1110	1110
C	900	1050	1100	1050	1190
W1	500	850	960	850	960
W2	350	450	530	450	530
H	1070	1280	1400	1280	1490

For more detailed information, please visit our website www.smplatek.com


S M PLATEK CO., LTD.
 Seoul(Ansan), Korea

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TEK SERIES

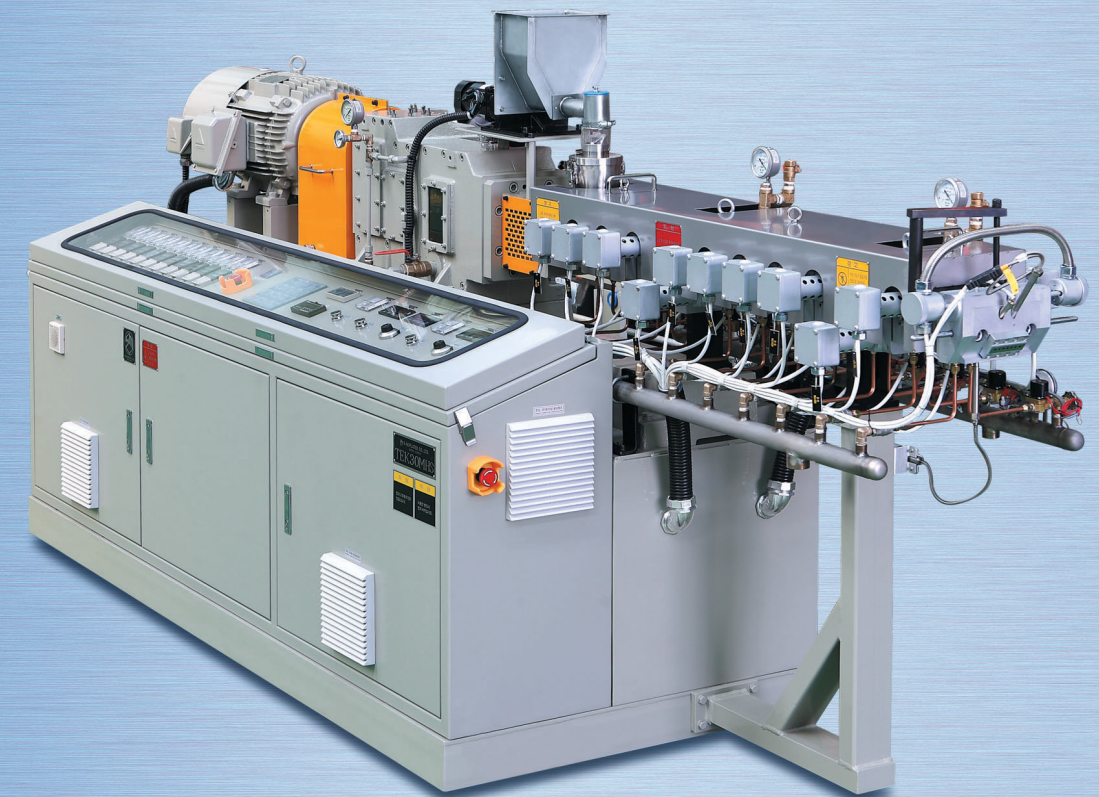
TWIN-SCREW LAB-EXTRUDER

用于研究開發的雙螺桿押出機

TEK30MHS/TEK30
TEK25MHS/TEK25/TEK20



For Laboratory
 For Small Quantity Batch Production (多品種小量生産)




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YOUR R&D LEVEL WILL BE ADVANCED A NOTCH ABOVE

現在，顧客的研究開發水平將更上一層樓。

BEST FOR SMALL QUANTITY BATCH PRODUCTION (多品種小量生產)

TEK30MHS/TEK30 TEK25MHS/TEK25/TEK20

Twin Screw Lab-Extruder for R&D 用于研究開發的雙螺桿押出機

Today's emulsion industry requires high-level R&D as a variety of synthetic resin becomes highly advanced in its function and quality. TEK Series Twin Screw/Lab-Extruder is a high-torque, deep-thread screw used as multi-purpose research equipment.

This product, as a small model of our TEK Series, will surely meet your R&D's requirements. We guarantee this product to exert its high performance in any conditions and for any purposes.

如今，石化和塑料產業隨着合成樹脂的高功能化、高級化，研究開發也被要求變得高度、迅速。TEK系列雙螺桿試驗押出機(TEK Series twin-screw Lab-Extruder)是高轉矩、深槽的螺桿。具有多種目的功能的高性能研究設備。我們確信本機器是隨着國產化的成功，保有國內最大交貨量的TEK系列的小型機型，將給您的研究開發帶來滿足感。



MACHINE DESIGN (機械設計)

COMPACT STRUCTURE, SIMPLE DESIGN

TEK30MHS/TEK30/TEK25MHS/TEK25/TEK20 has a compact structure with its driving device and barrel in one body, and its movable frames equipped with operating panel can be effectively operated even in a small space.

更小型的結構、更高效的設計。
TEK30MHS/TEK30/TEK25MHS/TEK25/TEK20是以驅動裝置和筒等立體化的小型結構來構成，裝有操作板的移動式機身在狹小的空間也能有效地運營。

APPLICATIONS

OUR PRODUCT IS GUARANTEED TO EXERT ITS HIGH PERFORMANCE IN ANY CONDITIONS AND FOR ANY PURPOSES

PLASTIC INDUSTRY

- Polymer production and pelletizing
- Polymer blends and alloy
- Fiber reinforcing material & fillerglass, graphite, talc, clay, carbon black etc.
- Dispersion of multi-purpose concentrate
- Modification polymers
- Flame retardant, cross-linking agents plasticizer and pigment
- MI-change
- Polymerization, grafting reactions

PROCESS INDUSTRY

- Toner process
- Powder coating compounding
- Thermoplastic elastomer
- Adhesive process

FOOD INDUSTRY

- Starch gelation
- Protein texturizing
- Cooking and candy
- Gum mixing

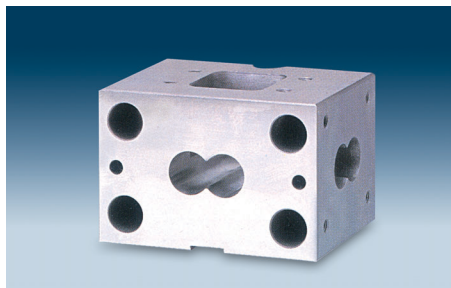
SCREW (螺桿)



Featured by their low-temperature, high-discharge extrusion, our deep-thread screws have a co-rotation mode and a segment type. These intermeshing screws is composed of feed screw elements of lead and kneading blocks with various angles. Processing length (L/D) is available up to 60D.

採用了深槽螺桿，低溫、高導出押出是其特點。螺桿是轉動方式，以扇形體形式與齒輪嚙合。與各種引導(Lead)的進料螺桿部件構成具有多種形式角度的捏制塊(Kneading block)。加工長度(L/D)可以達到60D。

BARREL (筒)



In view of frequent exchanges of barrels in lab machines, we made our barrels assembled with four tie-bars for the easy exchange and assembly/disassembly of barrels.

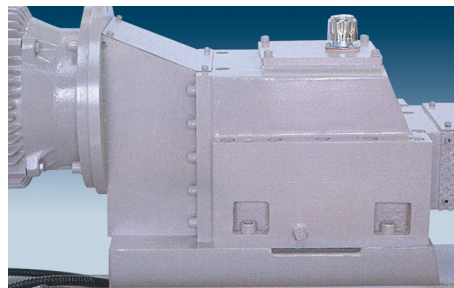
The types of barrel section are :

- Feeding or Venting Barrel,
- Barrel for Side Feeder,
- General Closed Barrel

The standard L/D of each barrel is 4.

考慮了筒交換頻度高的研究機器的特性，以四個系杆締結。可以簡便地安裝、拆卸及交換筒。筒的吸引形式是：進料或出料筒，用于側面進料的筒，一般開閉筒，各個筒是L/D4為標準。

DRIVE (變速箱)



Our gear box is equipped with high-capacity dual driving mode and transmits power with direct coupling. (In case of length for installation is limited, V-Belt driving mode is also available.) Our driving motor has VVVF electromotor as its standard device.

齒輪箱是採用了高出力的雙驅動方式，動力傳達靠直接聯結。(安裝長度受限時，也可採用V形皮帶驅動方式。)驅動摩托是以VVVF電動機為標準裝備。

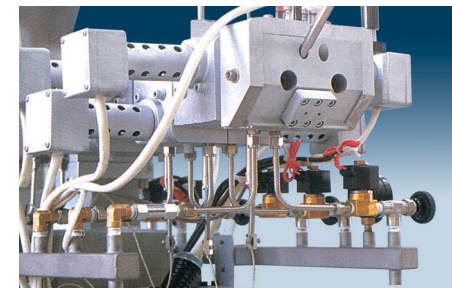
OPERATION PANEL (操作板)



The heating method of barrels is automatic temperature regulating mode, for which each barrel consists of heating/cooling zones, and feed barrel has a cooling zone controlled manually. Water (distilled water) or cooling air is used as a coolant. The panel is build on the body as a desk type.

筒的加熱方法是自動溫度調解方式，給各個筒構成加熱/冷卻空間。進料筒有手動調解的冷卻空間。冷卻媒體使用水(蒸餾水)或冷卻空氣。板是以桌子形式裝在機身上。

DIE HEAD (45度向下的底座)



45 downward strand die for cold cutting, slit die, Water-ring cut method Horizontal hot face die, and to be used Orifice die type for processing of thermosetting resin.

具有以冷卻切割為目的的具有45度向下的角度的一股底座(strand die)和長切底座(slit die)。具有水圈切割(Water-ring cut)方式的方形底座。還有，熱硬化性樹脂的加工上使用洞口底座形式等。

OPTION

- Side feed barrel, Side feeder
- Liquid injection port barrel
- Auxiliary equipments (Water bath, Pelletizer etc.)
- Long vent barrel (8D/6D), dual vent
- Recorder (Resin temp, Pressure, Motor torque)
- Raw material feeder
- Vacuum pump unit