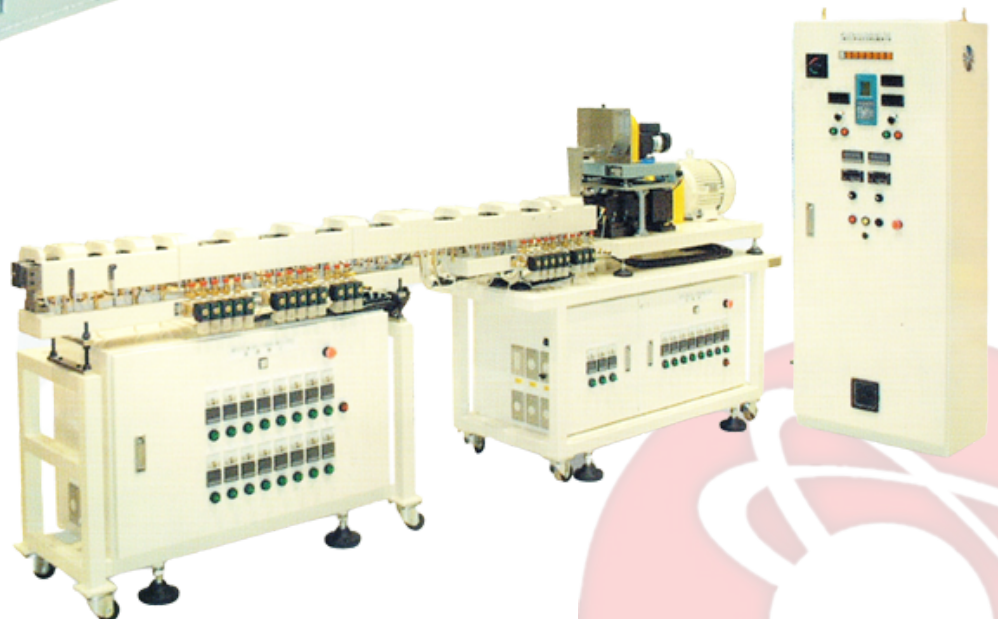
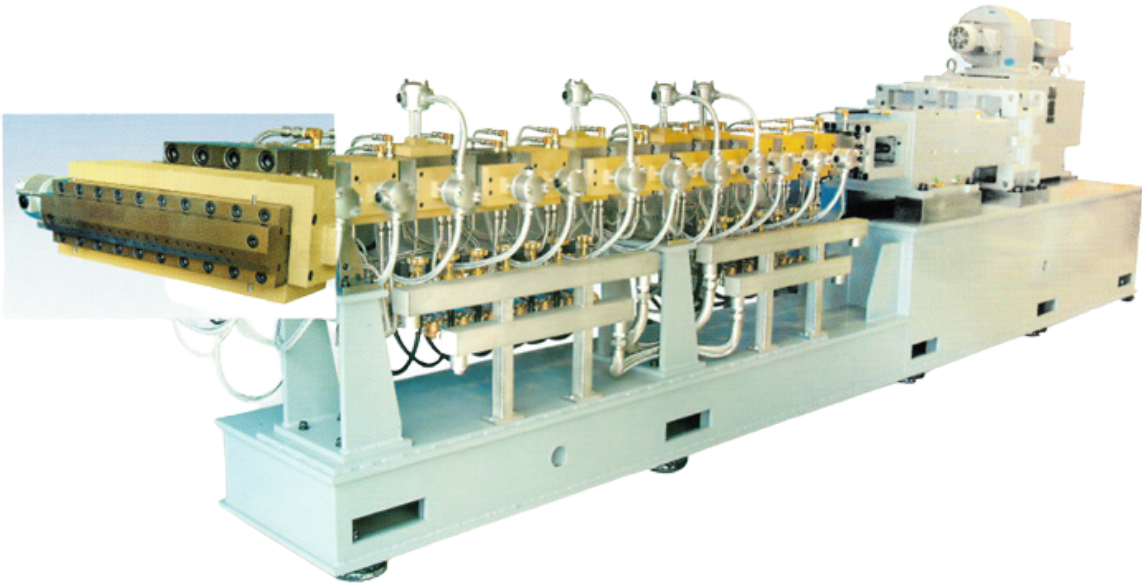


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With today's continuous development of new materials, requirements of compounding a wide variety of materials are constantly ever-changing. MFU, KSW, and ZRO are standard grades of 15 screw sizes from 6mm to 134mm.

- The screw $D/d = 1.62$ makes it easy to scale up, where D is $d+2h$.
- d = the screw-body diameter and h is the channel depth.
- Screw rotation speed can adjust up to 10,000rpm.
- L/D : 150, where L is the total length of the screw.

The applications are for next-generation material development, from general-purpose resins, super engineering plastics, biodegradable materials, and fluoro resins.

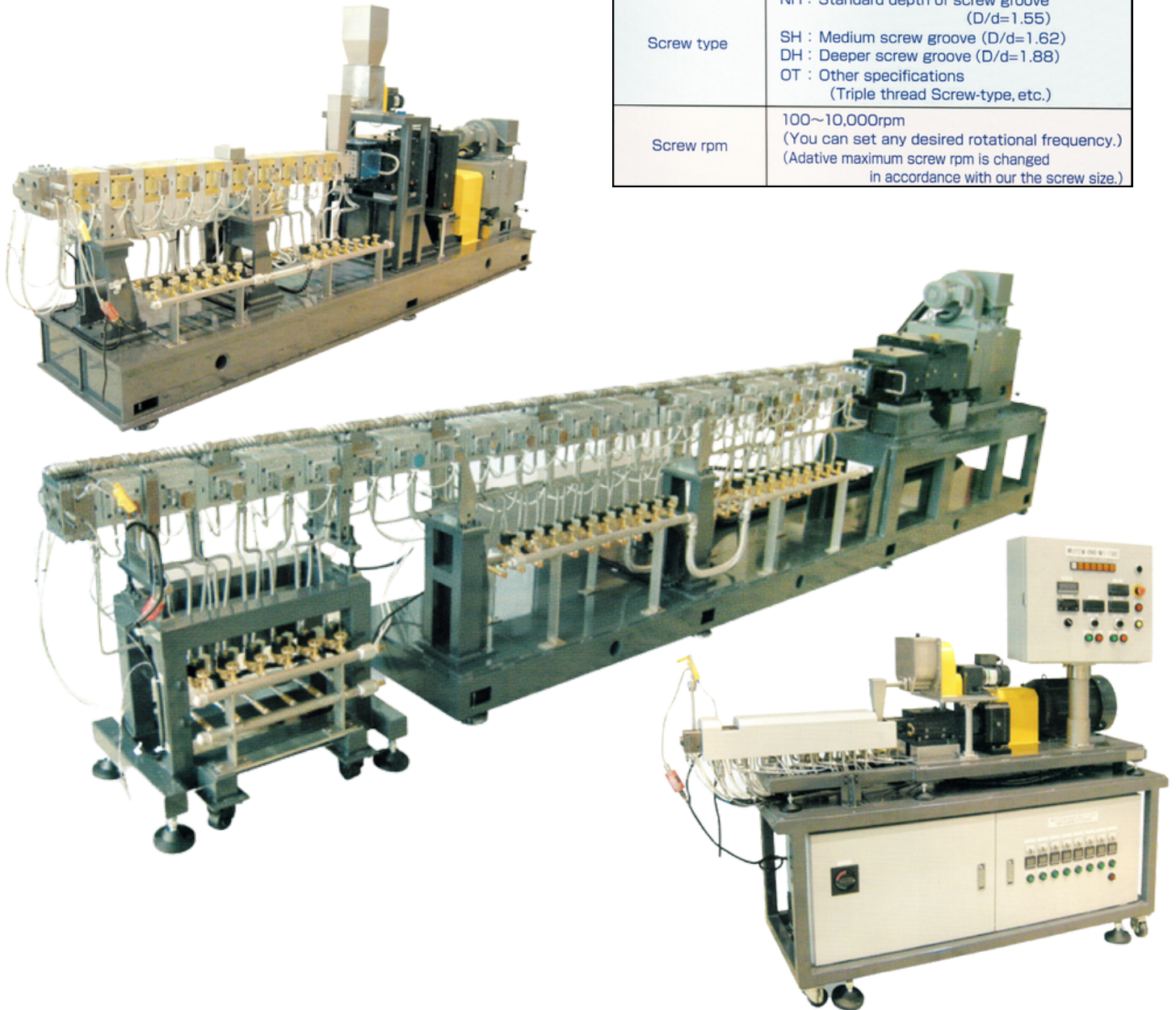


Features

- Technovel patented high power drive system
- Screw process length L/D = 12~150
- Screw rotation speed 100~10,000 rpm
- The barrel can withstand pressure (thrust withstand pressure) up to 35 MPa (patented)
- Change screw variations freely
- Self-cleaning property
- Use for pellets, powders, liquids, gases, etc

Technical Data

Screw diameter (Nominal diameter mm)	05~134
No. of screw	TW : Twin Screw-type QD : Quad Screw-type OT : Octa Screw-type
L/D	12~150
Grade*	LG : Low torque-type MG : Standard torque-type HG : High-power torque-type
Screw type	NH : Standard depth of screw groove (D/d=1.55) SH : Medium screw groove (D/d=1.62) DH : Deeper screw groove (D/d=1.88) OT : Other specifications (Triple thread Screw-type, etc.)
Screw rpm	100~10,000rpm (You can set any desired rotational frequency.) (Adative maximum screw rpm is changed in accordance with our the screw size.)



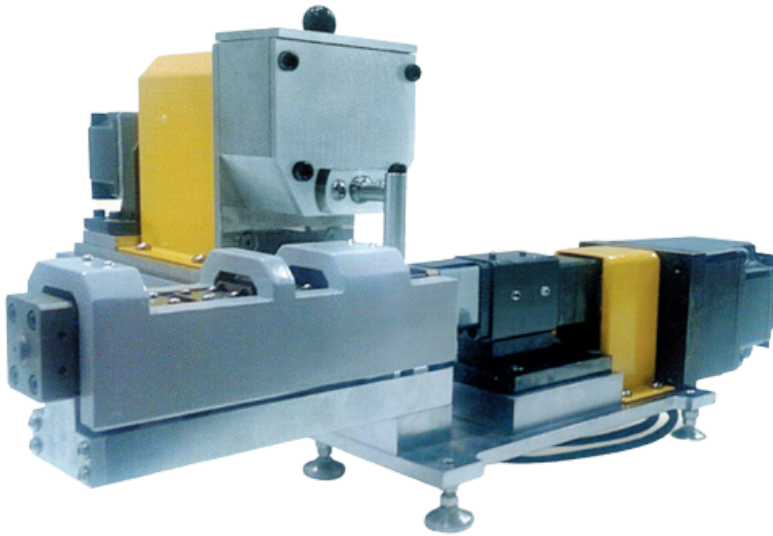
Technovel Corporation: 7 Chome-8-5 Higashinakahama, Joto Ward, Osaka, 536-0023, Japan

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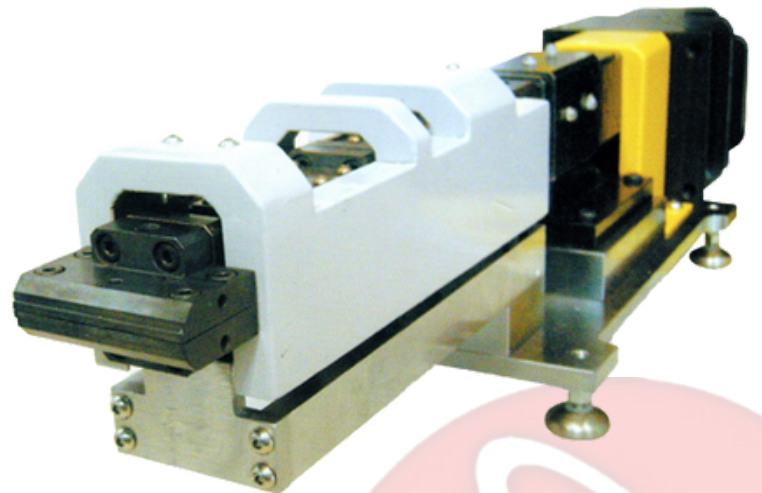
Technovel's KZW06 is an ultra-compact compounding extruder that can operate on a desktop. For its compactness, it can be hand-carried and mobile. It can be installed in any small and controlled environment such as a dust-free chamber for electronic and medical applications.

The range of output rate is 3-30 grams per hour for ultra-small continuous compounding. The internal volume is 1cc, and hence, a sample of 2 cc is enough for the operation. this machine uniquely designs for handling expensive materials and pharmaceutical applications.



Technical Data

Screw diameter (Nominal diameter mm)	05~134
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