



**GUANGZHOU TOP WAY ROAD MACHINERY CO., LTD**

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## **TW-400 Mechanical Single-cylinder Thermoplastic Kneader**

Traditional mechanic thermoplastic kneader mixes melting materials in mechanic manner at slow rotate speed and the newly-loaded dry materials cannot be melted quickly. The hydraulic thermoplastic kneader, rotating at higher speed, is quite expensive. TOP WAY improved mechanic thermoplastic kneaders single-cylinder and double-cylinder have the rotate speed up to 60rpm, approaching to that of hydraulic thermoplastic kneader, melt materials more quickly with higher performance-price ratio.



TOP WAY'S latest adjustable overloading clutch solves the most common problems of overloading protection in traditional mechanic kneaders and reduces the rate of failure occurrence.

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### Technical parameters

Outer dimensions (L*W*H):	930* 850* 1450mm
Total weight of machine:	380 KG
Diesel engine power:	4.4KW
Capacity of stirring tank:	400kg
Stirring speed:	50~60 r/min
Stirring method:	Four helical blades can rotates leftwards and rightwards to move the coating up and down.
Heating temperature:	175~230°C
Engine start method:	Manual
Fuel:	LPG

### Features

1. Higher rotate speed increases the traditional ones from 30rpm to 60rpm, close to that of hydraulic thermoplastic kneader.
2. Incline clutch teeth, make the clutch break away automatically once the handle positioning button is pressed or in the case of unexpected overloading. It avoids the reducer axis breakage and failure of breaking away because of overloading.
3. Accurate positioning button clutch enables easily adjusting of the overloading pressure of clutch spring and the overloading moment.
4. Suspending stove rack can randomly adjust the distance between the stove and the kneader bottom in order to allow the outer flame to burn the kneader bottom, thus increases the fuel usage and melting efficiency.
5. 700mm diameter cylinder with semi sphere stamping kneader bottom can load 400kgs melting material, increasing heating area by 26% over the normal mechanic and hydraulic cylinders of 600mm diameter, achieving high efficiency.