TORREY HILLS TECHNOLOGIES

INTRODUCING

T50 OINTMENT MILL

Technology For the Result Minded

After the extremely successful T65 series three roll mill, Torrey Hills Technologies applied its award winning technology to the development of T50 ointment mill, featuring top-of-the-class grinding result, user friendly interface, advanced fine adjustment mechanism, and super fast processing of material. Priced competitively and with little to none maintenance required, the cost of ownership is the lowest in the market.

T50 OINTMENT MILL SPECIFICATIONS AT A GLANCE

Roller Material		Ceramic (Alumina)
Diameter of Roller		2" (50mm)
Length of Roller		7" (178mm)
Speed of Roller RPM	Slow Roller	0~219
	Middle Roller	0~394
	Fast Roller	0~723
Power		120W
Voltage		110V 60 Hz or 220V 50 Hz (10% voltage fluctuation allowed)
Net Weight		45 lbs (21kg)
Throughput		Up to 15 kg/h (one pass)
Overall Dimension		13.5"x8.5"x9" (346mmx220mmx230mm)

SUPERIOR DISPERSING RESULT
Precise 99.5% Alumina rollers ground to 5µm concentricity and 0.5µm surface finish instantly transforms gritty ointment into uniform, smooth, visually appealing and effective topical medication.

INNOVATIVE GAP ADJUSTMENT MECHANISM
Roller spacing is easily and conveniently set by 2 knobs on the side with 9 positional markings. Extra fine adjustment mechanism for easy roller calibration.

LONGER ROLLERS AND FASTER SPEED FOR HIGHER OUTPUT
Higher throughput than most competitors' models. Longer rollers and high speed motor give a maximum output up to 15kg/h.

LESS WASTE !
Less waste than competitors' models. The total loss could be as little as 1.5g out of 100g in practice.

ADJUSTABLE SPEED
Variable speed control allows adjustable/slower speed runs

UNIFORM PARTICLE DISPERSION   HOMOGENIZATION   PARTICLE SIZE REDUCTION   DEAERATION

T50 Easy Operation 1-2-3-4

Step 1: ADJUST GAP
If you want a high output, turn the front quick adjustment knob to 1, and the rear quick adjustment knob to 3. If your goal is to achieve a finer finish, turn the front quick adjustment knob to 0, and the rear quick adjustment knob to 1 or smaller.

Step 2: SELECT SPEED
Turn the speed knob to start with half the full speed. You can adjust it later even when the rollers are running.

Step 3: PUSH THE BUTTON
Push the start button to turn on the mill.

Step 4: START MILLING
Drop cream into the feeding area and watch the magic of fine mixing and dispersion.

Frequently Asked Questions

1. Does it have a 3-step gap adjustment mechanism like other popular models do?

We have further improved the design and our quick adjustment is no longer limited to the 3 settings. Instead, T50 has 9 positional markings, which means T50 can do more accurate adjustment. Apart from the pre-set markings, the gap can also be continuously adjusted from 0μm to 80μm with the turning of knobs. Quick adjustment aside, the mill is also equipped with fine adjustment capability. There are fine adjustment screws under the stainless steel case. Users can do the calibration with a small hex key after extended time of use.

2. Is it easy for users to calibrate the mill by themselves?

Yes! That can be done very quickly. Just follow the instructions on the manual. To our knowledge, similar models on the market do not have this function. Users might want to send the mills back to the factory or have them calibrated by technicians.

3. Is operating with gaps larger than 100μm possible by manually setting the fine adjustment screws?

Absolutely! If you turn the fine adjustment screws to change the starting gap size to 20μm, the maximum gap size will be 100μm. The fine adjustment mechanism can increase the gap by about 420μm. Since the range of the quick adjustment is 0~80μm, the maximum gap size can reach 500μm.

4. What to do if something gets caught in the rollers?

In the case that something gets stuck in between the rollers, turn off the machine immediately. You may need to turn the quick adjustment knobs to enlarge the gap first, then rotate the roller reversely and gently pull the material out.