

ULTRASONIC SEALING & CUTTING MACHINE

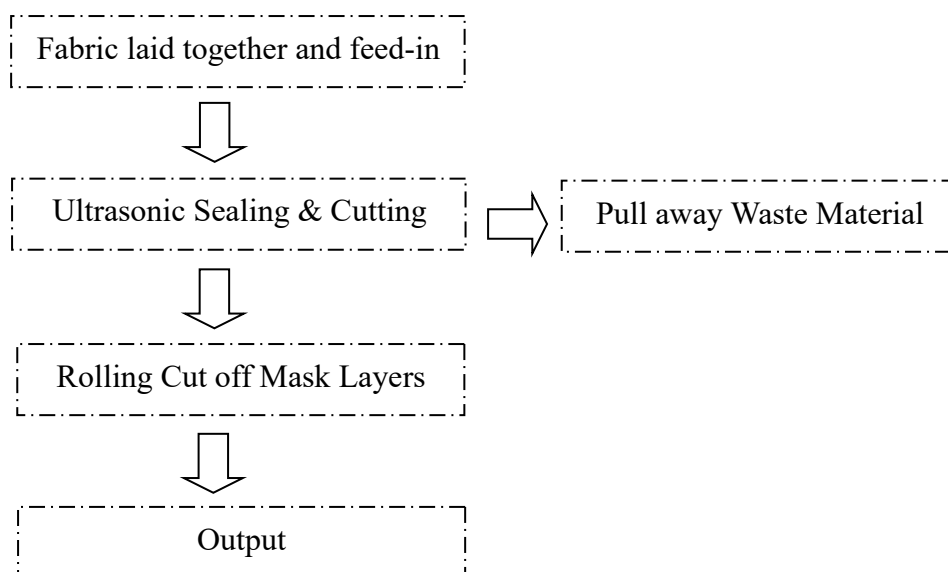
FOR CUP-LIKE MASK

IBN-M2014



IBN-MT2014 is a ultrasonic sealing & cutting machine for non-woven fabric process machine. It is a essential machine for the production of cup-like mask standard, eg. NIOSH (National Institute for Occupational Safety and Health) standard to form mask layers into shape. Because the filtration fabric material, such as melt-blown fabric, active-carbon fabric, etc, can not be processed by high temperature in pressure, or its fabric filtration and aspiration ration will change, this machine is applied to seal fabric fabric into arc shape and cut off extra material away by 20KHz ultrasonic

I. Material Process Flow:



II. Features:

1. Sealing and cutting with ultrasonic, keeping the original filter performance of fabric;
2. Full automatic process material, only one operators is required.
3. Machine process in high capacity max to 150pcs/min, which can supply 2~3 for cup-like mask production line;
4. Electronic counter counts output to help quantity management;
5. Static electricity cleaner is applied at the output of machine to remove static

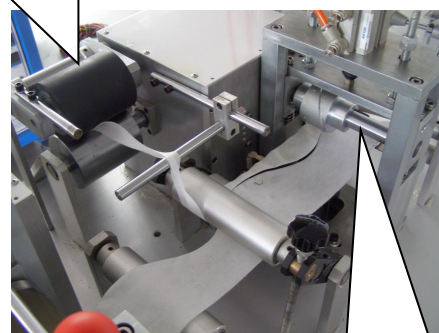
III. Specification:

1. Power Source: 1P, AC, 220V, 50/60Hz;
2. Air Source: 5Kg/c m²
3. Power Consumption: 2.5KW;
4. Ultrasonic System: 20K 2000W;
5. Material Width: 120mm±2mm;
6. Main Machine Dimension: 1305mm*700mm*1500mm (L*W*H);
7. Material Fram Dimension: 2100mm*500mm*1720mm (L*W*H);
8. Capacity: 100~150PCs/Minute.

III. Main Modules:

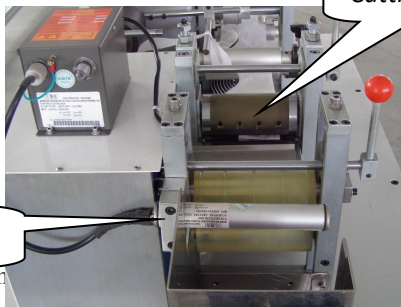
1. Ultrasonic Sealing and Cutting Module: This module is responsible to weld and cut fabric layers into arch layers with ultrasonic system. Ultrasonic system is generated by MP Sonic in 20KHz, 2000W, and the roller is made of endurable hard steel;
2. Waste gathering Module: It is responsible to pull waste material separated by ultrasonic
3. Cutter Module: This module is used to cut off sealed fabric layers into separated final products;
4. Outputting Module: This module is responsible to gather final products. Products are pulled spring into the steel box neatly by rubber rollers. This module is equipped with electrostatic cleaner to remove the electrostatic on the finished products.

Waste Pulling Roller



Sealing & Cutting Roller

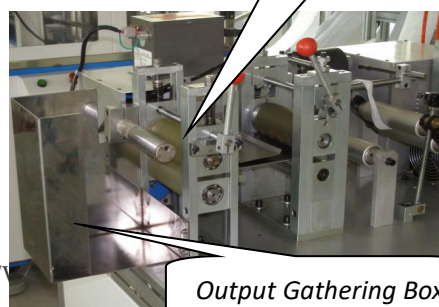
Cutting roller



Static Electric Cleaner

Web: www.ibortech.com

Rubber roller



Output Gathering Box

Mob/Wechat/