

# 微震压实造型机

## Squeeze Jolt Molding Machine

### 产品介绍:

该设备被广泛用于铸造行业，可以单独使用，也可以配套其他设备或组建造型生产线。该设备的特点是稳定可靠，节约劳动力，降低损耗以及有很高的生产效率。

### 产品特点:

- 设备结构进行优化设计，机身采用方箱框架结构，大幅度提高机身的刚性。
- 设备采用微震压实造型工艺，可大幅度提高压实力，使砂箱硬度可达HB90以上，表面粗糙度提高一个等级，稳定其产品质量。
- 设备震击部分装有缓冲弹簧，有效降低机器对地基的影响。
- 设备起模机构采用气缸、曲柄、连杆、同步轴实现同步起模。
- 设备控制部分全部采用气动元件来实现整体功能，操作简单，维护方便。
- 设备操作方便，可视砂型情况，操作程序可人性化，有效的提高生产效率。

### Introduction

This machine is a kind of molding equipment widely applied in casting and foundry industry, which operated alone or combined with other machines or production lines for molding. This machine features stable and reliable quality, saving labor, low material consumption and high production efficiency in molding process.

### Feature

- The machine is optimized designed with square frame structure to increase the rigidity.
- The machine adopted the jolt squeeze technology to improve the pressing power to enhance the rigidity of molding flask more than HB90 and improve the roughness performance of surface to stabilize the quality of product.
- The jolt device is assembled with cushion spring to reduce the damage to foundation.
- The rapping system adopts cylinder, crank, connecting shaft and synchronous spindle to realize synchronous drawing.
- The control system adopts the pneumatic component to realize the comprehensive function to simple operation and convenient maintenance.
- Convenient operating, the operation procedure is human friendly according to condition of the molding sand, to increase the productivity

### 技术参数 Technical parameter

参数名称 Parameter name	单位 Unit	Z144W	Z145W	Z146W	Z148CW
最大砂箱尺寸 Max dimension of molding flask	mm	500*400*200	550*500*250	600*550*250	800*630*320
工作台尺寸 Work plate dimension	mm	610*450	600*560	700*550	900*730
震击负荷 Squeezing load	kgf	4200	5000	7000	12000
压实力 Jolt power	kgf	160	300	300	550
压实行程 Jolt travel	mm	150	160	200	180
震击行程 Squeezing travel	mm	150	200	200	320
生产率 Productivity	Box/h	40-60	50-60	40-60	40-60
自由空气耗量 Consumption of free air	m <sup>3</sup> /box	0.3	0.4	0.4	0.5
外形尺寸 Dimension	mm	1300*800* 700	1100*850* 130	980*750* 1568	1677*1038* 2200





Squeeze jolt molding machine – Z144W type



Squeeze jolt molding machine – Z145W type



Squeeze jolt molding machine – Z146W type



Squeeze jolt molding machine – Z148CW type