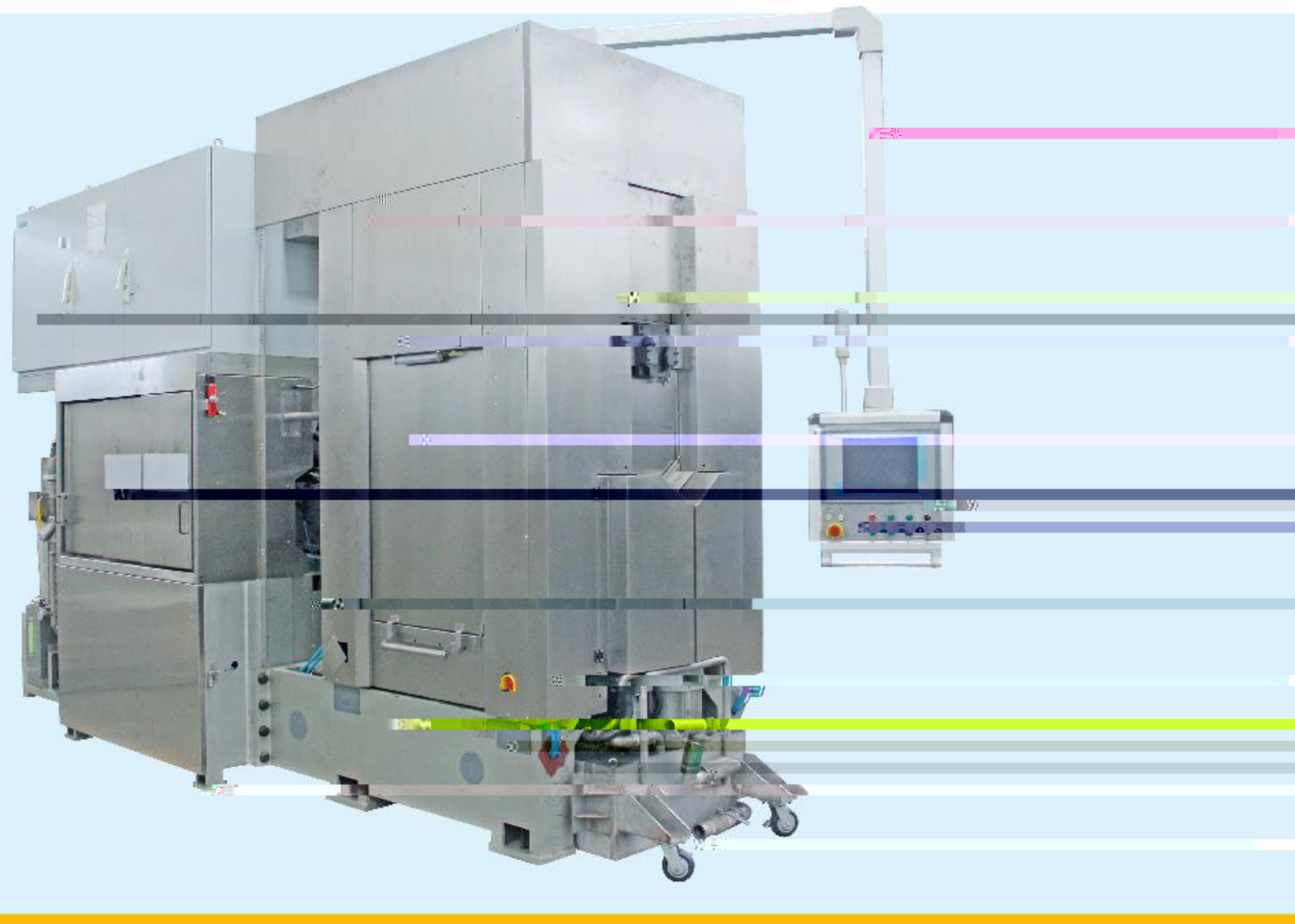




Applications and structural features

- This machine is used for cutting Semi-conductor bar, which is main machine in processing equipment. The max dimension of cross section of silicon, the minimum thickness of silicon is 2mm. And it has the following features:
- 1. It may cut 0.003-0.005mm section at one clamping, the optimized equipment for semi-conductor manufacturers;
 - 2. Features:
 - a. two wire guide wheel drive, single & double drive, cable drive, all of these apply served; it can be synchronized;
 - b. automatic control of wire tension and be controlled by servo motor (constancy);
 - c. workplace security, currently, wire mechanism, safety device, etc. features; material guiding speed of wire;
 - d. anti-tilt and conveying of cutting material and guide wire; automatic constant temperature through heat exchanger, maintaining the slicing stable rate.
- This machine is an integrated high-tech product.

工件 **workpiece**

横断面 cross section	≤Φ330mm
长度 length	2×330mm; 1×660mm
厚度 thickness	≥20.200mm (必须调整制造 must adjust manufacturing process)
切割速率 cutting rate	
速度 linear velocity	最大 Max 30m/s 速率 speed
快速移动 fast move	200mm/min
工作行程 working stroke	最大 MAX 385mm
线材 wire	
芯线径 diameter of core wire (external diameter)	0.03~5.0mm
钢丝长度 length of wire	按挂轮而定 according to wire wheel
钢丝方向 direction of wire	前进或后退切割 forward or backward/double directional cutting
预拉力 pre-tension	最大 50N (端视钢丝绳直径而定) max 50N (according to diameter of wire)
号数 gauge wheel	
直径 diameter	Φ192mm
半径 radius	h62mm
个数 number	3
+电动机功率 input motor power ...	最大 max 3.35KW
轴距 (左右) wheel base (left & right)	540mm
轴距 (上下) wheel line up distance	750mm 450mm
单线偏距 offset one	
直径 diameter	100mm
个数 number	2×3(b)
卷绕钢丝绳 winding coil	
卷绕轴工作高度 working height of winding shaft	155mm
卷绕绳盘 winding coil	W30X93ZS-31, 301
供电电压 supply voltage	三相 AC 100V
控制容量 capacity of control rack	3000VA
环境温度 constant temperature of fluid +1°C	可选择环境温度 optional preset temperature 20、70℃
冷却液流量 flow rate of cooling water	最大 MAX 1200L/h 可调节, 使用流量计并配备 选择流量 with flow meter and display
冷却水流入温度 temperature of cooling water	冷水 inlet
控制系统 controlling system	PLC 控制 PLC control
类型 type	SP ST 型 SP-ST type
供货商 supplier	松下 (Panasonic)
外观尺寸及总重量 outline dimension and total weight	
长度 length	1170 4472mm
宽度 width	2170mm 2170mm
高度 height	2563mm
总重量 total weight	4130kg 21300kg

15VSE