

## Cold Box core machines

Since 1991 SUZHU is providing Cold Box core machines together with all necessary equipment (sand mixers, gas generators for Triethylamin TEA, core shooters, scrubbers) as well as core handling systems (picking up, painting, drying, storing and transport, core setting into mould with complete automation).

The large machines (Z84200) work with Vacuum core process, using Cold Box Amin process or Water Glass process.

### Overview Cold Box Core machines

Model	Shooting head volume / core weight	Type of cores	Technology
Z8425 Z8440 Z8465 Z8480 Z84160	25 L to 160 L	Middle size and large cores	Cold Box Amin
Z84200	200 L	Very large cores, up to 2700 mm core length (especially Railway bolster and frame)	Cold Box Amin Vacuum Water Glass Vacuum
Z84800	800 L	Core package moulding Extremely large cores	Cold Box Amin, optional with Vacuum
Z8415	Max. 15 kg	Small cores	Cold Box Amin
Z843	Max. 3 kg	Very small cores	Cold Box Amin

SUZHU core machines use a modern **first class component basis of producers with worldwide service:**

- SIEMENS S7 with touch screen and network Ethernet etc.                      SIEMENS
- servomotors    SEW or SIEMENS
- low voltage electric components    SIEMENS or SCHNEIDER
- pneumatic    FESTO
- hydraulic valves and pumps    REXROTH or PARKER
- hydraulic cylinders with Glyd Ring and Step Seal sealing                                      PARKER
- high-pressure flexible pipes and pipe adapters EO-2 type                                      PARKER
- slide parts with self-lubricating material; bearings with self-sealing technology

Other first class component suppliers may be adopted on customer request, depended of machine type and technical progress.

All core machines are complete assembled at the SUZHU shop and undergo test runs before delivery, on customer request with core sand and customers core boxes.