

PARTNER IN PRODUCTION FOR FOUNDRIES

Ludus Machine is a company dedicated to offering the best combination of robust designs and innovative technologies to the global casting industry.

Our company follows a rigorous work program with a professional team to provide its customers with the safest, highest-quality products under the best conditions, in accordance with international standards.

- CORE MACHINES
- CORE SAND PREPARATION SYSTEMS
- GAS GENERATORS
- PNEUMATIC CONVEYORS



TECHNICAL CAPABILITIES

- Ability to attach **horizontal, vertical, and 3-piece core boxes**
- **Process efficiency** with electronically adjustable shooting and gassing pressure
- **Easy operation** thanks to a simple and understandable user interface
- Electronic rulers for all distance settings
- **Long-term use** with minimum wear on core boxes thanks to proportional hydraulic pressure and flow control
- Amin liquid **consumption tracking screen**
- **Ergonomics** thanks to the extractor equipment on the operator side
- **Linearity and durability** with strong bearing designs
- **Short model changeover time** thanks to magnetic and hydraulic connections suitable for core boxes
- **Fast production** with a short curing time
- Minimum consumption thanks to **electronically controlled amine liquid dosing system**
- **Safe machines** with CE certification
- **Remote service** through internet connection
- Predictive maintenance applications
- Integration with independent sand preparation systems
- Possibility of **robot integration**
- **Installation in one day** thanks to integrated machine design
- Sand preparation system design based on capacity requirement
- Resin and sand conditioning systems (heating/cooling) for **efficient sand mixes**



MACHINE DIMENSIONS

	HV-6	HV-10	HV-15	HV-20	HV-25	HV-30	HV-40
Max. Gassing Area	250 mm x 250 mm	350 mm x 350 mm	450 mm x 450 mm	520 mm x 520 mm	550 mm x 550 mm	550 mm X 600 mm	600 mm X 700 mm
Max. Shooting Area	250 mm x 250 mm	350 mm x 350 mm	450 mm x 450 mm	520 mm x 520 mm	550 mm x 550 mm	550 mm X 600 mm	600 mm X 700 mm
Distance Between Table and Gassing Plate	470 mm	550 mm	690 mm	690 mm	720 mm	750 mm	850 mm
Shooting Volume	6 L	10 L	15 L	20 L	25 L	30 L	40 L
Clamp Stroke	200 mm	250 mm	250 mm	300 mm	350 mm	350 mm	400 mm
Main Table Clamping Stroke	300 mm	350 mm	350 mm	400 mm	400 mm	450 mm	450 mm
Ejector Stroke	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm	100 mm
Distance Between Clamp Plates	500 mm	550 mm	600 mm	800 mm	900 mm	900 mm	1200 mm
Clamp Plate Height	200 mm	200 mm	250 mm	300 mm	350 mm	350 mm	500 mm
Clamp Plate Width	400 mm	450 mm	500 mm	600 mm	700 mm	700 mm	700 mm
Maximum Box Width (Vertical/Horizontal)	250/490 mm	275/540 mm	300/590 mm	400/790 mm	450/880 mm	450/880 mm	600/1180 mm
Maximum Box Height	450 mm	530 mm	650 mm	650 mm	680 mm	710 mm	810 mm
Maximum Box Depth	450 mm	550 mm	700 mm	870 mm	870 mm	900 mm	900 mm
Minimum Box Width (Vertical)	100 mm	50 mm	100 mm	200 mm	200 mm	200 mm	400 mm
Sand Silo Capacity	60 lt	60 lt	85 lt	120 lt	150 lt	180 lt	200 lt
Hydraulic Clamp Force	1.500 kgf (pneumatic)	2.000 kgf (pneumatic)	6.000 kgf	6.000 kgf	9.000 kgf	10.000 kgf	12.000 kgf
Hydraulic Main Table Clamping Force	2.400 kgf (pneumatic)	3.600 kgf (pneumatic)	8.000 kgf	15.000 kgf	15.000 kgf	20.000 kgf	22.000 kgf
Air Pressure	6-10 bar	6-10 bar	6-10 bar	6-10 bar	6-10 bar	6-10 bar	6-10 bar
Gas Generator Power	4 kW	6 kW	10 kW	10 kW	12 kW	16 kW	16 kW