



TSR2010

Tongsui Shotcrete Robot

01

Suitable for Mines and Narrow Tunnels

- European design, German manufacturing standard
- All core components from Europe
- High efficiency and stability, low failure

02

Articulated off-road chassis

- Specially customized for shotcrete, suitable for rugged jobsite conditions of tunnels and mines
- Compact size, small turning radius, good trafficability, comfort driving and safety
- Hydrostatic transmission, high transmission efficiency, and good climbing
- Four wheel drive (4WD)/hydraulic steering, wet brake, four-wheel brake
- Off highway axles, higher loading capacity than highway vehicle axles, more safety

03

Third generation Spraying arm

- more than 20 years improvement continues
- Heavy double-rack rotation design
- Stable and durable, low failure



04

High efficient concrete pump

- German design, German technology, German standards
- Double piston, S-tube valve, long stroke, less reversing times, low wear
- Pumping pressure up to 75bar, high pumping capacity

05

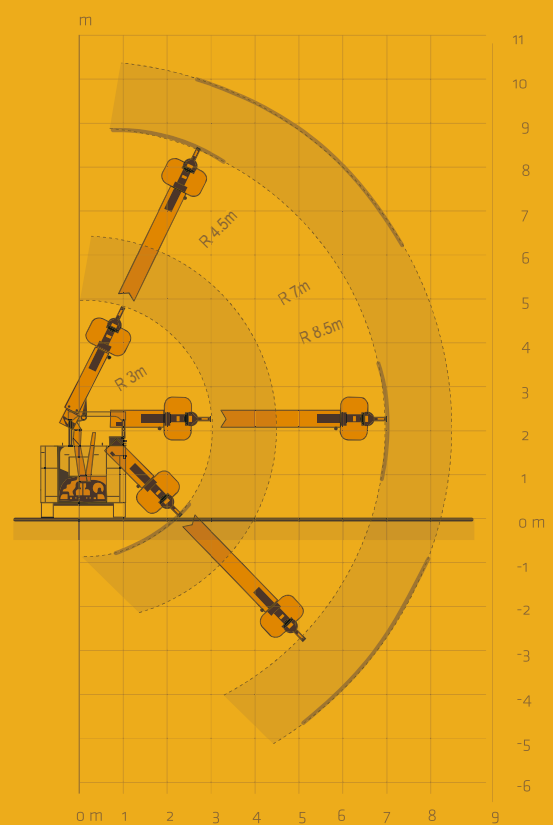
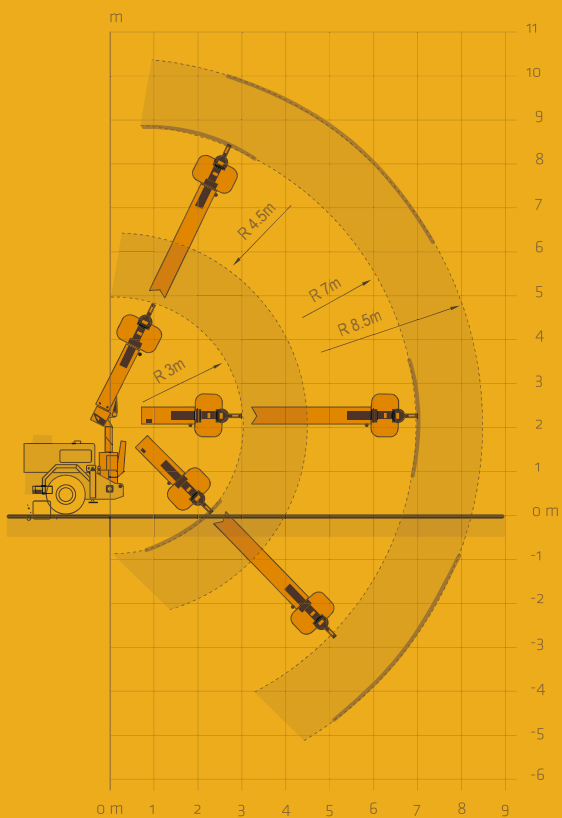
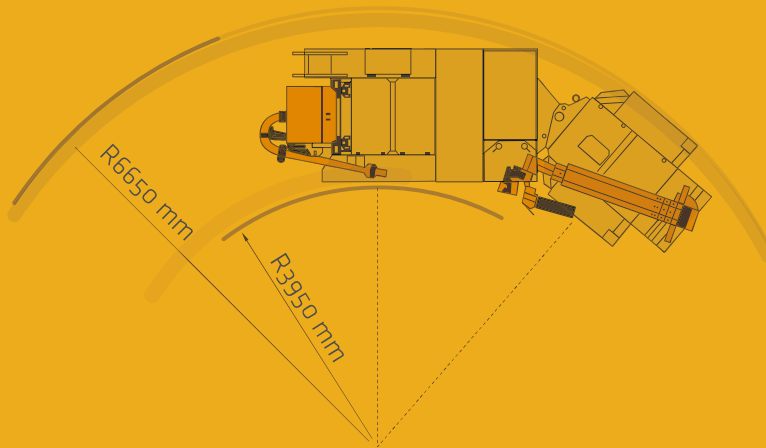
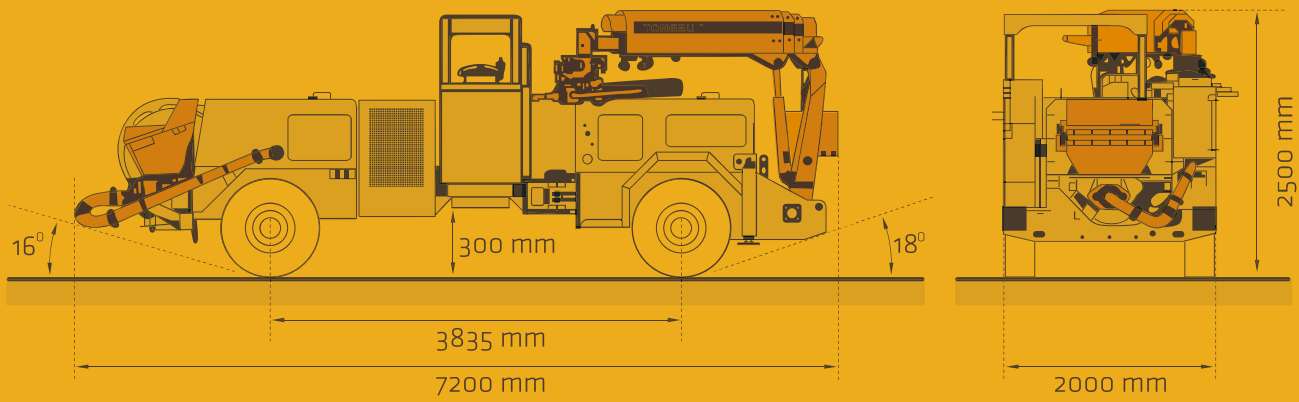
Synchronization dosing unit

- Output synchronization with concrete output
- Hose peristaltic pump from Europe, less worn-out part, easy replace

06

Mine safety Certification (KA)

- Pass Chinese national mine safety certification
- More confidence for your choose





Technical Data

General	
Dimension	L7200 x W2000 x H2500 mm
Weight	9400KG (with air compressor) / 8850KG (without air compressor)
Chassis	
Type	Articulated off-road chassis, diesel driven, hydrostatic transmission, hydraulic steering, 4-wheel drive (4WD), 4-wheel braking, hydraulic outriggers, driver's cab with safety canopy.
Engine	4-cylinder in line, water-cooled, turbo diesel engine 74.9kW/ 2300rpm
Axle	Off-highway axles
Hydraulic aggregate complete	
Type	Electric-hydraulic power aggregate to supply hydraulic power for spraying arm, concrete pump etc.
Hydraulic pumps	Axial pump
Spraying arm	
Type	Electrical-hydraulic drive, fully hydraulic four-sections telescopic boom, wired / wireless dual mode remote control.
@ Spraying distance 1-1.5m:	
Spraying height	Max. 10m / Min. 2.5m
Spraying width	Max. 16m / Min. 3.3m
Pitching angle	Boom +65°/-40°
Remote control	Radio remote control
Spraying head	
Rotation of nozzle	360°
Swing of nozzle	240°
Brushment of nozzle	8°/360° endless
Concrete pump	
Type	Hydraulic drive piston-type concrete pump, S-tube with speedy shift
Pumping capacity	20m³/h
Conveying pressure	7.5MPa
Hopper	
Grid	With grid for steel fibre concrete and preventing from oversize aggregate, with electric vibrator and emergency stop safety switch
Capacity	200L
Feeding height	1.3m
Dosing unit	
Type	Oval rotor-hose pump, synchronization with concrete output
Adjustment	30-700 L/h
Liquid accelerator tank	
Liquid accelerator tank	200L, 1 pc
Cable drum	
Type	Hydraulic drive
Voltage	3x380-400V /50Hz
Length	50m standard / 100m optional
High pressure water pump	
High pressure water pump	Working pressure Max. 150 bar / Flow rate 15L/min
Air compressor	
Type	Electric drive screw-type air compressor, mounted on the same chassis
Motor	37kW
Working pressure	7.5bar
Air supply	6.5m³/min

Distributor:



ISO9001 : 2015



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TONGSUI MACHINERY MANUFACTURING (JIANGSU) CO., LTD.

ADD:QIDONG PRODUCTION BASE: NO. 9 JUHAI ROAD, HIGH TECH INDUSTRIAL DEVELOPMENT ZONE, QIDONG CITY, JIANGSU PROVINCE

HARVEST (Hong Kong) INTL LTD.

ADD:UNIT NO A222 3/F,HANG FUNG IND BLDG PHASE 2,NO 2G HOK YUEN STREET HUNGOM,KL,HONGKONG

Inquire us for more information about the machine. We reserves the right to modify machines and documents at any time without prior notice.