

Unicrane Machinery Co., Ltd

Advantages of Unicrane's segment mould for mega tunneling project



Why UNIcrane?

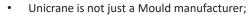












- Only Segment mould Factory who can provide a full production monitoring;
- Concrete precast experience for over 60 years;
- Challenge for all different tasks for underground work;
- Never delate client's schedule;
- Professional partners with professional support;















Design Criteria of Unicrane's steel segment moul:







Main Design criteria:

- Face to face contact;
- Unique design to suit different vibration method.
- CNC Machining quality on main/base mould (all edges & curve);
- Steel Chamfer on intrados of segment (better finishing);
- Simple rubber seal;
- Longer lifespan design;
- Integration of both western & Japanese design philosophy.









Vibration is critical for segment mould production:







Experience in all different kind of vibration design:

- Pneumatic (air vibrator)
- Electrical vibrator;
- Vibration table;





Experience & track record for all size tunnel segment mould







































Capability to design different kind of mould to suit the need.

China- CRCC 14th Group Cable tunnel D11.6m

Cover with springs (Full size)



Hong Kong Dragages & Bouygues JV-TMCLKL subsea tunnel tunnel D17m



China- CRCC subsea tunnel D11.3m Casting cover (universal cover for all mould)



Japan Ando-Hazama Road tunnel D12.4m - Casting cover + sliding open for mould panels+ Vibration table



Japan Hazama- Maglev tunnel OD14m (13+1pcs) - Casting cover + sliding open for mould panels.



China CRTG- Subsea tunnel MetroD11.3m -Small spring covers (half size)



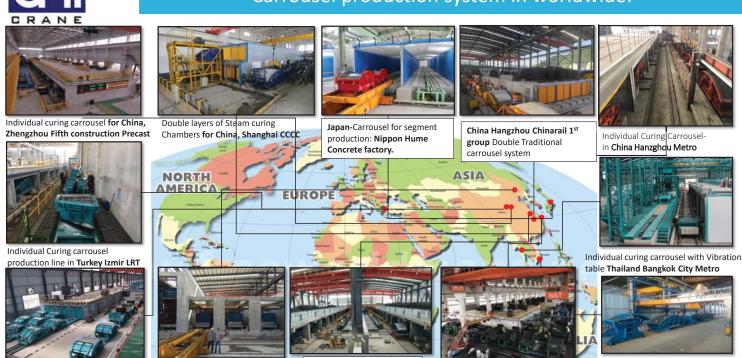


China Henan Hydro construction

Carrousel production system in worldwide:

China Shanghai- Shanghai Pudong precast factory; Individual curing carrousel

Vibration table for Vietnam HoChiMinh



China Nanjing, Double

Individual curing carrousel

China Changchun- Mega large

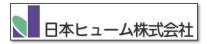
carrousel for precast station



Professional partners for tunnelling field

Precast technology:







Equipment partners:







TBM Cooperation:



Our Contractor clients around the world:





















