



Fastest concrete pole casting method in the world.

- *Vertically Cast*
- *Superior quality*
- *High productivity*
- *Low manpower requirement*
- *Low level skill demand*
- *Low plant maintenance*
- *Low power requirement*
- *Low noise levels*
- *Safer, faster, easier*

Fast Facts

COMPLIES with European Standard EN 12843:2004.

MIXING: No concrete Admixtures are used.

MATERIALS USED : General purpose cement, sand, stone, water and steel.

TYPICAL POLE SIZES 9.0M - 14.0M. WLS 8kN. ULS 16kN.

VERTECH HUME

www.vertechhume.com.au

Hume Innovation



AUSTRALIAN ENGINEERING
EXCELLENCE AWARDS 2007
WINNER

The brilliance of the Vertech Hume casting process is its mechanical simplicity and the immediate savings in absolutely every aspect of production - from time to space and manpower - from operating costs to massive advantages in occupational health and safety. The fact that the end product is also superior is a bonus.

The Vertech vertical casting manufacturing sequence.

- The fixed vertical mould is opened hydraulically.
- The reinforcing cage is swung into position and the mould is closed hydraulically.
- The inner former is lowered into the mould.
- The concrete pump elbow is attached to the bottom of the mould.
- Concrete is pumped into the mould.
- The inner former is pressurized and the concrete is dewatered in 10 - 15 minutes.
- Free water is recovered for reuse.
- The mould is unlocked hydraulically and the finished product transferred into the curing carousel situated next to the mould.

Typical Vertech cross section

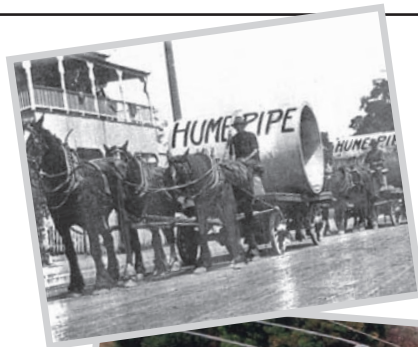


Four generations and more than 100 years of concrete innovation.

The name "Hume" has been synonymous with Concrete Casting since Walter Hume - the Founder of the Hume Pipe Co. The Hume family has been working with concrete for four generations, over 100 years. Walter Hume in 1909, invented the centrifugal process for manufacturing concrete pipe and in 1912 cast the first concrete pipe using his patented process.

In the 1930's, The Australian Hume Pipe Co was the only Australian company that exported Australian technology. The Hume Spun Process was first applied successfully to the manufacture of round hollow concrete poles in Australia in the 1950's to produce both stressed and non-stressed poles.

In 2007 Vertech Hume was awarded the Australian Engineering Excellence Award for developing the revolutionary Vertech Hume instant strip solution redefining concrete pole manufacturing.



Information available upon request

- documentation of certified poles tests
- process time with detailed breakdown
- available fittings and accessories for the poles. Earthing ferules, step bolts, screws etc.
- detailed description of the pole construction process.
- tables of mechanical strength / resistance
- agencies and licences available.

COMPARING THE PROCESS	
SPUN CASTING	VERTECH HUME VERTICAL CASTING
1,250m ²	120m ²
24 moulds	1 mould
up to 24 POLES PRODUCED/8hr	



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