

HTA MELBOURNE LINE CARD

Process	Process Details	Components / Examples	Furnace Capability
Age Hardening PH / MO Steels	Age Hardening of PH and Mo grade stainless to H conditions	Hydraulic Cylinders, Bushes, Couplings	Maximum Size 880 x 835 x 895 mm
Aluminium	Solution Treatment, Annealing and Age Treatments for sheet ,wrought ,forged and cast Aluminium alloys.	Manifolds, Engine blocks, Skylight Fixtures, Scooter & Bike Frames, Housings.	Maximum Size 880 x 835 x 895 mm
Annealing	Annealing prior to Hardening of alloy steels that are welded, as cast, forged or previously heat treated, this process sets a formal microstructure within a material preparing it for further treatment or use.	Alloy Steels that are welded, as cast, forged or previously heat treated.	Maximum Size 1000 x 580 x 600 mm
Bristuff Nitriding	A low temperature process allowing engineering steels to be processed without changing the core strength from which they were supplied and due to very low distortion, machined parts can be virtually finished with only minor polishing required post treatment.	Extrusion Dies, Plastic Moulds, Forging Dies, Rollformers, Crankshafts & Camshafts	Maximum Size 980 x 800mm
Cryogenics (Sub Zero)	Subzero transformation used after quenching some specialised stainless steels. Subzero treatment for parts so you don't have to sharpen cutting tools, or invest in new engine parts as often.	Knife Blades, Gears, Aluminium Products.	Maximum Size 1160 x 560 x 580 mm
Hardness Testing	Rockwell hardness testing ASTM E18.	Verification Capabilities for all Processes Performed.	
Heat Track Solutions	HTA Trademarked Customer Information Portal and Client interface. Secured Client services, accounting, job tracking, email notifications or work progression and more.	HTA's Portal for processing, accounting and live status of workflow	Access at heattracksolutions.com
Solution Treatment of PH / MO Steels	Solution treatments for 15/5 PH , 18/8 Mo & 17/4 PH	Actuators	Maximum Size 100 x 580 x 600 mm
Stainless Steels	Harden & temper of stainless steels (400 series) Vacuum Anneal of Stainless Steels (316 & 314)	Bushes, Pins, Spools, Hydraulic & Food Industry Components	Maximum Size 100 x 580 x 600 mm
Vacuum Hardening	Harden & temper of various Tool steels including K110, A8, W302, P20 & various other materials.	Knife Blades, Dies, Rollformers, Medical Industry Components	Maximum Size 100 x 580 x 600 mm
Vacuum Nickel & Copper Brazing	Typically used when high temperature or highly stressed parts require a good cross sectional toughness and strength	Hydraulic Fittings, Water Connectors, Food Industry Components	Maximum Size 100 x 580 x 600 mm

