

TEFCO ENGINEERING PTY LIMITED

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Date: Friday, 4 December 2009

LETTER OF INTRODUCTION

Tefco Engineering has been manufacturing since 1991, originally established for the design and manufacture of Bearing Housings, machining of castings and other general engineering activities. In more recent times we have forged a very successful design and manufacturing business for Conveyor Pulley, Bogies & Wheel sets and Wire Rope Sheaves.

Over the last few years we have undertaken an extensive re-equipment program broadening our capabilities to offer larger contract CNC machining capacity to complement our traditional business and have established the most modern pulley manufacturing facility in the world in a 1,800M² machine shop on one acre of land at West Gosford. A further one acre of land has been purchased in Gibbens Road which will be developed in the year ahead to allow for further expansion.

We utilise the 35 years of Conveyor components design and construction experience of our senior management to offer design & manufacture of conveyor pulleys, rigid couplings, Bogies, brake components & rope sheaves.

We have the knowledge and equipment to do a large variety of complex CNC machining work & have close relationships with various foundries & forging companies to provide feed material.

Our pricing is very competitive, and we offer a personalised prompt estimating service.

COMPANY PROFILE

We are a wholly Australian owned Company which is managed by the owner, whereas most of our competitors are now foreign owned.

The Tefco Group turnover in 2008-09 was \$23.9 million & based on orders in hand we will exceed that this year.

Our rapid growth is largely a result of repeat orders from customers who appreciate our engineering excellence and customer focus.

We employ 87 people with 43 tradesmen, 29 process workers and 15 Engineering, Management & support staff.

MAIN PRODUCTS

CONVEYOR PULLEYS

WIRE ROPE SHEEVES & FRAMES

SPECIAL BEARING HOUSINGS

BOGIES & WHEEL SETS for STACKERS, RECLAIMERS, SHIPLOADERS, TRIPPERS & SHUTTLES

RIGID COUPLINGS

CONTRACT MACHINING



EXPERIENCE

In the last 12 months Tefco have been awarded orders for more than 1000 pulleys, more than 150 sheaves, dozens of wheel and bogie sets and many winches.

The largest pulley manufactured to date had an assembled mass of nearly 19 tonnes and we are consistently producing over 100 pulleys a month.

These orders have been on projects such as BHP Billiton Iron Ore, NCIG Coal terminal, Boddington Gold, Dalrymple Bay Coal Terminal upgrade stages 1 & 2, GEMCO Groote Eylandt, Abbot Point Coal Terminal upgrade, CQPA Gladstone Coal Terminal upgrade, Geraldton Port Berth 5, Fortescue Minerals Port Stackers and Reclaimers, Port Waratah Reclaimers, TRUenergy Yallourn, Loy Yang Power, Minerva JV, Tritton Copper, Moorvale coal project, Millennium CHPP, Wilpinjong CHPP & Stacker, Dawson CHPP & Stackers, Lake Lindsay CHPP & Stackers, Kogan Creek Power Station coal plant, Ashton Coal, Sonoma Coal CHPP & Stackers, Alcoa, Condong-Broadwater Co-Generation, OneSteel Whyalla plus numerous export projects to Chile, Indonesia & Philippines.

Manufacturers of quality engineered components for Industry using the latest CNC machining technology

We are also very active providing contract machining & manufacturing services for a number of industries for such companies as Voith, FALK, Onga, FAG, SKF, CBC, Comsteel, Clark Equipment and many others. We manufacture specialised bearing housings with casting masses anywhere between 1Kg to 8Tonne mill housings.

ENGINEERING CAPABILITY

Tefco employs Mechanical Engineers with solid modelling, CAD and Finite Element Analysis capability to assist with component design plus jig and fixture design for machining your engineered components.

QUALITY ASSURANCE

Manufacture is done under our Quality Assurance system that conforms to the requirements of ISO9001. Our normal protocol is to provide Inspection and Test Plans (ITP's) for all machined components. Material traceability procedures are in place and documents are maintained in the job file for later reference.

EQUIPMENT

The major re-equipment program we have undertaken in recent years has broadened our capabilities to offer CNC machining capacity for large and also high volume components to complement our traditional business. Our West Gosford and Ringwood Factory Machining Capacities include:



2 Eumach CNC Bed Mills – both with fully programmable heads for genuine five sided machining. The FBE4000 has 4000 long travel x 1000 cross travel & 1500 vertical travel and the FBE3000 is identical but with 3000 long travel. Both have a 500 diameter rotary table.



4 CNC Machining centres

2 x Quantum CNC Vertical Machining Centres with up to 1,500 long x 900 vertical x 700 cross travels. All machines are fitted with a 4th (rotary) axis for automatic 4 side machining.

1 x Mitsubishi CNC Vertical Machining Centre with 1,200 long x 800 vertical x 700 cross travels, complete with 500 diameter 4th axis and 26Kw 6,000-RPM spindle and a 24-pot tool changer.

Our new Litz CNC Horizontal twin pallet (630x630) 4 axis machining centre shown on the left was recently installed.



L&L CNC shaft lathe with 900mm swing x 5200 between centres and a hydraulic steady

Picture on right above shows our Extreme swing Kinwa CNC lathe with 2500 swing x 4000mm between centres with 370dia hollow spindle, rear chucking and a 20kw milling head attachment.



Our other large CNC shaft lathes are shown above with the picture on left showing our Extreme Duty Kinwa CNC lathe with 1200 swing x 6000mm between centres and suitable for shafts with a mass of up to 17 Tonnes. This machine can also use the Kinwa 20kw milling attachment. The picture above right shows our Ajax large swing CNC lathe with 1600 swing x 2500 between centres and live tools plus 355mm hollow spindle and includes rear chucking.



CNC Vertical Turret Lathe with 1250mm swing and live tooling for drilling & tapping



Five (5) CNC chucking lathes including 3 Daewoo CNC lathes with 770mm swing x 1000 between centres, with the one at Tefco fitted with full C axis control & 7.5Kw live tools. A Mori Seiki CNC lathe with 450mm swing and full C axis and 5.5Kw live tooling & a Bar feeder suit 75mm diam bar. An Acra CNC lathe with 560mm swing x 1500 between centres. Doosan twin spindle, twin turret with Y axis 600 swing x 800 between centres for true one set up machining.



Union CNC 6 axis horizontal borer with 2,700 cross x2,500 vertical x2,300 long travels, full contouring B axis 2000 x 1800 table size & 8,000Kg table capacity. Includes a programmable facing head suitable for boring to 1400mm diam.



Auto feed bandsaw suitable for cutting up to 360mm diameter bar.



A part view of our West Gosford workshop which have a number of overhead cranes with up to 10 Tonne capacity.

OTHER EQUIPMENT

- A big swing Ryazan lathe with 1370 swing x 4800 between centres.
- A big swing Shenyang lathe with 1800 swing x 3000 between centres.
- Various other manual lathes, mills, drills and horizontal borers, all fitted with digital measurement.
- We have welding and fabrication capacity and specialise in TIG & MIG welding of steel and stainless steel components to support our machining capabilities.
We have automatic sub arc welding equipment, which together with our large vertical and horizontal welding rotators allows us to do both internal and external pulley welds very efficiently.
- We have installed a gas fired stress relieving oven 4200 long x 2600 high x 2600 wide
- We have also installed a large shotblasting facility with dust collection, shot reclamation and large doorways for preparing our manufactured items for painting.
- A large climate controlled paint booth is installed and we can apply any paint system desired.

All our machinery and equipment is as new or in first class condition.

We hope the above is acceptable and look forward to an opportunity to become an approved supplier of your contract machined components.

For quotations or further information please contact the undersigned for prompt attention.

Yours truly,

Peter Baird
Managing Director.