



**Indrotech**

# THE INDUSTRIAL ROTATIONAL TECHNOLOGY SPECIALISTS

DRIVESHAFTS / FANS / BALANCING

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# A HISTORY OF INNOVATION & EXPERT ADVICE

Company Director, Dennis Eliopoulos together with his team of highly experienced engineers and trades people have all significantly contributed to the development of Indrotech as the leader in industrial rotational technologies in Australia.

In fact, Indrotech have earned a reputation for innovative solutions regardless of the scale of the project. Expertise and specialist training enables the team at Indrotech to address the unique challenges each project presents and provide simple and effective results, with high quality workmanship and exceptional service every time.

With particular expertise in the areas of industrial driveshafts, industrial fans and industrial balancing, Indrotech are well recognized for their service, products, and innovation and have firmly established themselves as "The Industrial Rotational Technology Specialists."

## OUR CORE SERVICES

- Design, manufacture and repair commercial, industrial driveshafts and automotive tailshaft assemblies;
- Design, manufacture and repair the complete range of industrial fans;
- Perform industrial dynamic balancing processes for all high speed rotating components.
- Customization fabrication and repair;
- On site Consulting on all rotational technologies.

*Indrotech is an Australian owned company that specialises in the design, construction and manufacture of industrial rotational equipment and technology.*

## INDROTECH'S PROMISE TO YOU

Customer Service and Product Guarantee - Indrotech are totally committed to delivering a well engineered rotational product manufactured to the highest possible standard as well as offer exceptional before and after service. As a valued Indrotech customer, you can expect the highest standard of service every time you ring our offices or visit our manufacturing facility.

### We guarantee to:

- Offer an honest appraisal of the work required;
- Give you an all inclusive, fixed price quote before starting works;
- Offer all the technical details associated with the job at hand including general arrangement drawings;
- Manufacture to our strict internal quality standards;
- Inspect every component during and after manufacture for welding or component defects;
- Let you know immediately of any complications or delays;
- Balance all rotating parts to the ISO balance grade minimum G2.5mm/sec;
- Offer a well presented finished product along with the relevant certificates.

## THE TEAM

Indrotech have well established systems, policies and procedures in place to ensure all work follows set company guidelines for optimum results. From administration to workshop staff, Indrotech employs the most qualified staff, but more importantly staff must also fit the Indrotech philosophy – a passion and commitment to high standards. All fabricators, machinists and fitters have been specifically trained to perform their duties to procedure and ensure that each project is handled to its quality standard.

With a solid mechanical engineering background, the company Director, Dennis Eliopoulos is not only technically driven but places great emphasis on quality service and customer satisfaction. In fact, the team at Indrotech aims to not simply satisfy customer expectation but to exceed it.

## THE WORKSHOP, MACHINERY & RESOURCES

The workshop is equipped with specially manufactured tools to suit a wide range of production capabilities and applications.

### The workshop consists of:

- 40" Diameter heavy construction impeller table – this heavy top plate allows sufficient welding to the impeller where the table absorbs the excess heat and reduces the chance of back plate buckling.
- 6 Foot rollers for forming cones, shrouds, barrels, special blades, scrolls etc.
- 3 Sizes of blade presses that cover a wide range of impeller blade profiles
- Transition press for up to 3mm wall thickness
- 6m long horizontal 20T press;
- 6m long horizontal automated tube welder;
- 6m long Schenck H4 Hard Bearing driveshaft balancing machine with CAB840 measuring unit;
- 3m long Schenck H5 Hard Bearing Industrial Balancing machine with CAB690 measuring unit;
- 3m long soft bearing tailshaft Hofmann balancer
- 4 MIG welders
- Spray booth;
- Associated tooling and fixtures.



## MECHANICAL ENGINEERS CONSULTANTS

Indrotech offers mechanical engineering and consultancy services for all types of industrial rotating equipment and technology. Our excellent engineering credentials enable us to provide unique solutions to challenging problems and turn your concepts into reality.

### We offer the following:

- Technical design
- Project Management from concept to completion
- On site consulting, installation and testing

## INSTALLATION, MAINTENANCE AND PROJECT MANAGEMENT

Indrotech provide Installation, Maintenance and Project Management services that includes expert technicians on hand to install components for smooth and trouble free operation; repairs on mechanical breakdowns as well as regular maintenance checks to prevent potential mechanical failure; and end to end project management solutions from concept stage to fully operational.



## INTEGRATED SERVICES

At Indrotech we represent a new approach to the industrial market, rather than offering individual products we provide a range of integrated services that includes:

- Custom design, manufacture, and repair of Industrial Fans, Industrial and Commercial Driveshafts and all types of Automotive Tailshafts.
- Vibration analysis and in-house Dynamic and Static Balancing.
- Installation, Scheduled Maintenance and Project Management for all types of rotating equipment.

## QUALITY ASSURANCE & WARRANTY

Indrotech actively maintains and applies an effective Quality Management System based on the Australian and International Standards AS/NZS ISO 9002:1994. Customers can be confident that all projects regardless of size have the same emphasis on quality output and are backed by our standard warranty.

Indrotech Pty Ltd warrants to the original purchaser that all driveshaft components, assemblies and manufactured assemblies purchased from the company will be free of defects in workmanship and materials subject to some conditions.

## FOCUS ON SAFETY

Indrotech is a quality conscious company with a well developed Quality Management System. Company policies, procedures and processes provide the framework to maintain consistent, quality output in a safe working environment. Indrotech promotes a safe and healthy working environment and all staff are required to follow company policies and procedures to maintain a safe work environment.



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## COMMERCIAL AND INDUSTRIAL DRIVESHAFTS AND AUTOMOTIVE TAILSHAFTS

Indrotech is Victoria's premium driveshaft, driveline and tailshaft solution company. We are specialists in customization, fabrication and repair of all industrial or truck driveshafts and automotive tailshafts. Indrotech have developed a significant reputation due to their prompt delivery and pricing. We always put a priority on breakdowns whether on a truck or on a piece of equipment. "It is important we keep heavy loaded vehicles moving and machinery in production."

With a dedicated team of mechanical engineers Indrotech are capable of successfully manufacturing, repairing, modifying and balancing driveshafts for a range of industries such as:

- Automotive
- Truck
- Industrial
- Marine
- Mining
- Agricultural
- Timber

## INDUSTRIAL BALANCING

At Indrotech we offer Dynamic and Static Industrial Balancing, onsite vibration analysis and fault investigation. Our workshop possess a 3m long Schenck H5 Hard Bearing Industrial Balancing machine with CAB690 measuring unit that enable us to assess and balance a variety of industrial rotating equipment and we also supply a 'real time' Certificate of Balance report upon request.

We perform balances on:

- Industrial fans
- Electric motor armatures and rotors
- Pump impellers
- Pump rotors
- Printing and process rollers
- Driveshafts and tailshafts
- Industrial and truck components

Dynamic Balancing of high speed rotating components increases bearing life, achieves smoother running conditions, increases service life and enhances the quality of the finished product. To ensure quality workmanship, Indrotech periodically service and calibrate all balancing machines to continue providing optimal productivity, accuracy and reliability.

## INDUSTRIAL FANS

Indrotech design and manufacture an extensive range of industrial fans from dust and fume control to high temperature recirculation and exhaust applications. We specialize in custom designed and engineered assemblies to your requirements. With over a decade of experience in the fan industry, Indrotech delivers a solution that is both efficient and cost effective.

Indrotech offer a full range of services including:

- Design and manufacture
- Onsite service and installation
- Scheduled maintenance, dynamic balancing
- Testing and repair of all industrial air moving equipment

Our aim is to identify areas of concern and tackle issues before they cause costly downtime.



## FREE PICK UP AND DELIVERY PLUS FAST TURN AROUND

At Indrotech we are focussed on complete customer satisfaction, we offer:

- Fast turn around - 24 hour service available
- Free pick up and delivery in Melbourne Metro available