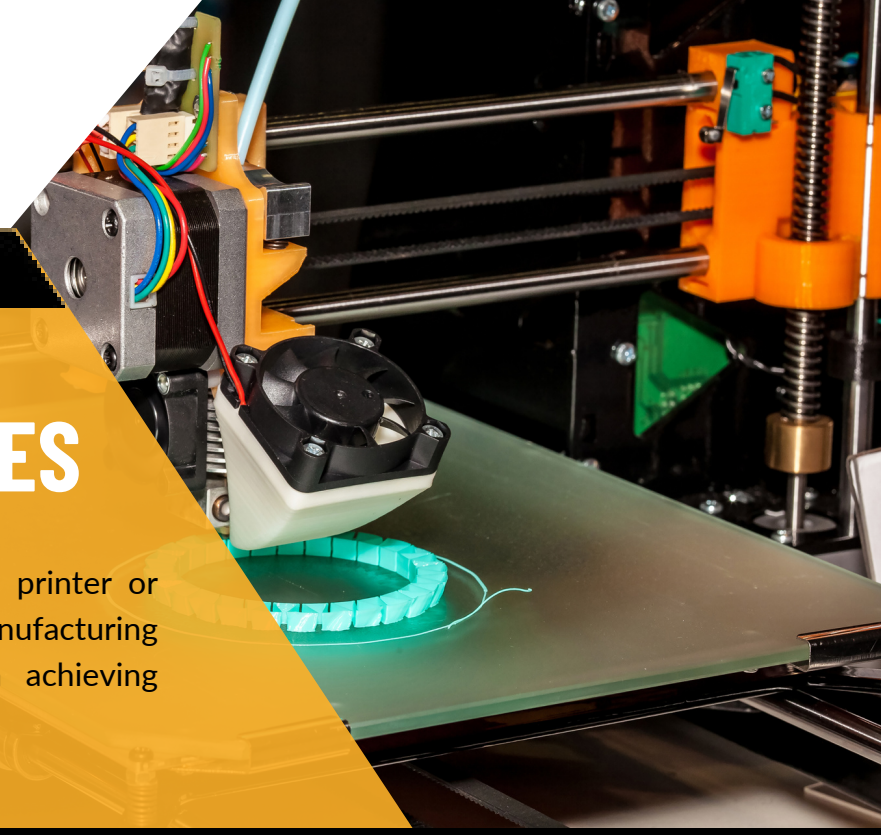


3D PRINTER SERVICES

Whether you're just setting up your first 3D printer or you're facing challenges with additive manufacturing operations: our technical services focus on achieving maximum success for you

RISING SUN CRITICAL TECHNOLOGY SERVICES

About Us

At RSX Global we are more than just a technology provider; we are innovators in new industry solutions including additive manufacturing technology. Located in the heart of Northern Australia, our Townsville headquarters positions us strategically to serve a diverse clientele across the nation and globally. Our team is dedicated to providing solutions that are not only advanced but also precisely tailored to meet your specific needs in the ever-evolving landscape of industrial and defence technology.

Who we work with

We collaborate with a wide range of clients, including educational institutions, healthcare providers, research organisations, defence and defence industry. Each collaboration is an opportunity to integrate new technologies and ways of doing business to improve capability, capacity and efficiencies. We are committed to not just meeting the unique needs of each sector but also to fostering a culture of innovation and shared growth.

Services

3D Printers and Consumables

World class Advanced 3D printing to support a range of budgets and functionality requirements.

Setup and Configuration

Hassle-free installation and configuration to ensure equipment is installed correctly and the risk of costly errors reduced.

Training

A range of training solutions to support operational teams and designers master 3D printing and 3D printer operations.

Managed Maintenence

Reliable managed maintenance to ensure your assets are optimally maintained regularly for improved performance, longer life and continuity of use.

GET IN TOUCH

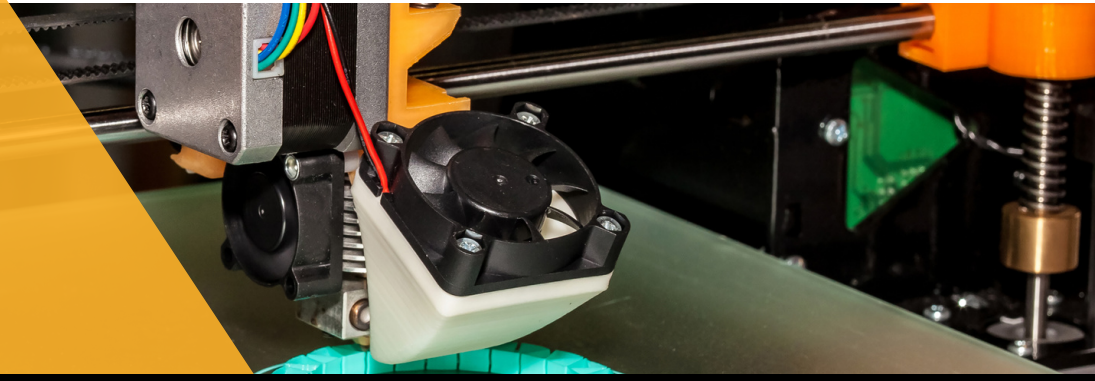
Contact us for a needs analysis, quote and recommendations

+61 7 2140 7658

enquiries@rsxglobal.au

www.rsxglobal.au

SERVICES



3D Printers and Consumables

Rising Sun Critical Technology Services is a distributor of Prusa, Prusa Research and Minga 3D Printing Technology. We can provide these as both Kits or Assembled Machines. More details about models can be obtained from our website.

Prusa printers, often referred to as Prusa Research or Original Prusa, are a popular brand of 3D printers known for their reliability, affordability, open-source nature, filament compatibility and support.

Mingda 3D printers are renowned for their reliability and advanced technology, offering precision printing suitable for both professional and educational applications. These printers are user-friendly, featuring robust build quality and the ability to handle a variety of materials, making them a versatile choice for a wide range of 3D printing needs.

As with any 3D printer brand, it's essential to research specific models and read user reviews to determine which printer is the best fit for your needs. Our specialist technicians can work with you to understand and select printer(s) that meet your needs, expectations and objectives.

Setup and Configuration

The setup process for 3D printers is critical to ensure optimal performance and longevity of the equipment.

Our setup and configuration services ensure your printers are installed correctly and includes; unboxing and assembly, quality assurance check, calibration, software installation, connectivity setup and initial test.

Managed Maintenance

Regular managed maintenance is essential for ensuring the longevity, reliability, and optimal performance of 3D printing equipment. Proper maintenance helps in preventing unexpected breakdowns, ensuring consistent print quality, prolonging the lifespan of the printer, reducing operating costs and adhering to safety requirements.

Our Managed Maintenance Services are customised by scope and frequency according to your needs and can include:

- Routine Inspections
- Performance Monitoring
- Platform Leveling
- Nozzle Cleaning
- Filament Check
- Belt Tension Adjustment
- Rod and Rail Cleaning
- Electrical Connections Check
- Extruder Check
- Heated Bed Check
- Cleaning and Lubrication
- Component Checks and Replacements
- Software and Firmware Updates
- Calibration and Alignment
- Safety Checks

For all managed maintenance arrangements we maintain a detailed maintenance log of checks, repairs and future requirements.

GET IN TOUCH

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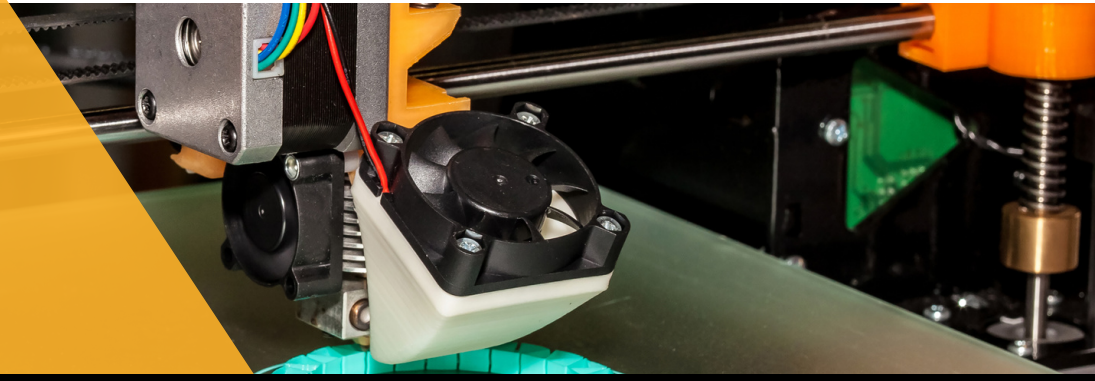
TRAINING



3D Printer Foundations

Duration: 0.5 days

Training can be provided with setup and configuration to equip operators with fundamental knowledge and skills for basic operations, management, and cleaning of 3D printers, ensuring they can effectively utilise the printer post-installation.

Course Topics include:

- Introduction to 3D Printing
- 3D printer components
- Printer operation basics
- Loading and unloading filament
- Post print job processes
- Routine maintenance
- Cleaning requirements and techniques
- Safety guidelines

Build a 3D printer

Duration: 3 Days

This course guides participants through the process of building their own 3D printer, understanding basic 3D printing principles and routine maintenance techniques. Suitable for hobbyists, students, and professionals interested in DIY 3D printing and maintenance skills, In this course Participants purchase and assemble their own printer.

Topics include

- Foundations of 3D printing (above)
- Assembly Processes and Tools
- Safety Procedures
- Foundations of 3D printing, 3D printing Software
- Undertaking your first project
- Routine Maintenance and Troubleshooting

3D Printing Training

Duration: Varies

A 3D printing lesson can cover a broad range of topics, depending on the audience's skill level and the specific focus of the course.

For all courses we focus on three core learning elements, know, show do. This means we provide you with detailed information so that you can understand the concepts and practices. We then provide demonstrations so that it is easy for anyone to follow which is followed up with practical hands on application through simple to complex and group projects depending on course participants, requirements and duration..

Course Topics can include:

- Introduction to 3D Printing and Application
- 3D Printing Technologies and Materials
- Understanding Types of 3D Printers
- 3D Printing Materials and Processes
- 3D Modelling and Software
- 3D Printing Design Principles
- Preparing a 3D Model for Printing
- Slicing and design techniques and software
- 3D Printing File Formats
- Preparing a 3D Print File and Printing your First Object
- Printing errors and Fault Finding
- Post Processing Finishing
- Quality Control

Advanced Topics can include

- Advanced Materials and Techniques
- 3D Scanning and Reverse Engineering
- Complex Real-World Applications and Case Studies
- Ethical and Environmental Considerations
- Projects and Practical Applications

GET IN TOUCH

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