



# Digital Twin's Manufacturing Services

Contract PCB component placement, assembly, UV printing & panel wiring shop

## Digital Twin's Cutting-Edge Manufacturing Services

Digital Twin offers a comprehensive suite of manufacturing solutions tailored to your specific requirements. Our manufacturing and production facility is equipped with advanced technology and expert personnel ready to deliver quality results for any manufacturing project.

### Our Core Manufacturing Services



Contract Manufacturing



PCB Assembly



Component Sourcing



UV Printing



Panel Wiring



Assembly Services

### Precision PCB Assembly & Component Sourcing



#### Automated Pick and Place

Digital Twin leverages a state-of-the-art production facility that includes a high-speed pick and place machine for precise and efficient SMD component placement.



#### Comprehensive Component Sourcing

We streamline your PCB component sourcing through our well-established supply network. Whether sourcing on your behalf or place on a supplied kit basis, we specialize in small to medium production runs and rapid prototyping to meet tight deadlines.



#### Advanced PCB Inspection

Our high-precision electronic microscope ensures thorough quality control and meticulous inspection of each PCB after component placement, ensuring high quality, accuracy, and reliability.



## Our Core Manufacturing Services

### High-Quality UV Printing

#### Advanced UV Printer



Our advanced DCS 1024 UV MVP 6 UV printing machine enhances our service offerings by delivering high-quality printing on enclosures with various textured finishes. In addition, we offer tailored contract UV printing on various substrates according to your requirements.

### Specialized Panel Wiring

#### Purpose-Built Panel Wiring Facility



Our purpose-built panel wiring facility is designed for small to medium-sized panels, offering comprehensive solutions that include the fitting of terminals, terminal markers, chassis markers, and KKS labeling on individual wires.

#### Comprehensive Panel Solutions



We also handle din rail, trunking, the supply and installation of PSU's, and battery management PCB's with tamper and temperature sensing capabilities.

#### Custom Labeling



We provide panel marking according to your naming conventions, along with the printing and fitting of branded brushed stainless steel tags or QR codes that link to cloud-stored panel drawings or specification requirements.

### Comprehensive Assembly Services

#### End-to-End Assembly



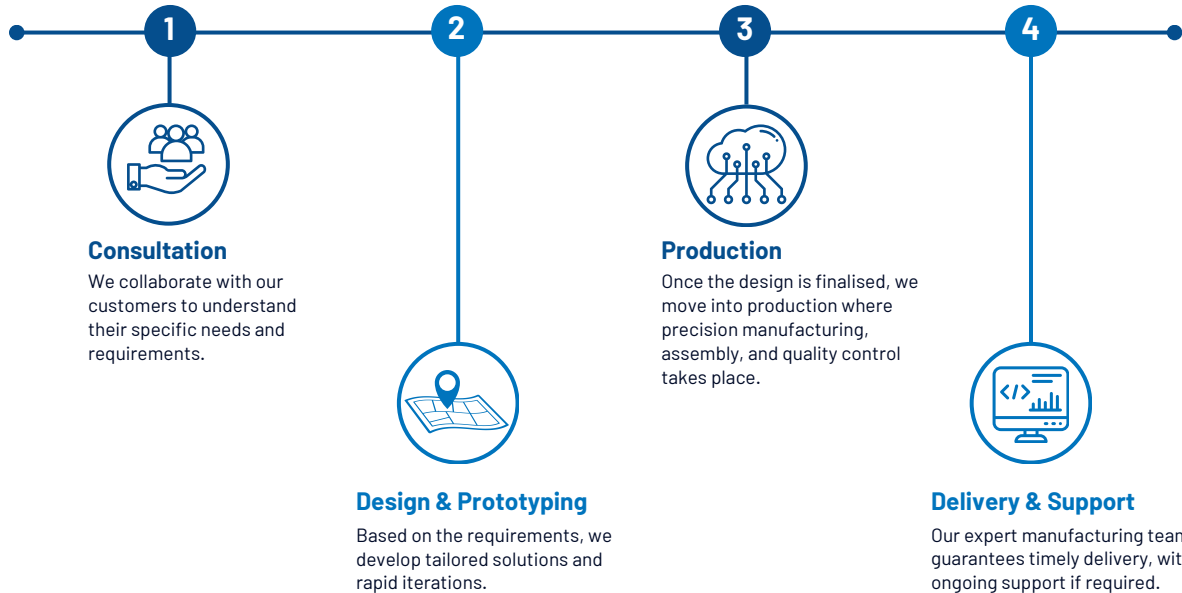
We provide comprehensive assembly services for a variety of metal equipment, including kiosks and more. Our end-to-end assembly solutions includes sourcing high-quality metal from our trusted company group, custom printing, wiring, electronics integration, programming, testing, and precise assembly, all tailored to meet your specific requirements.





## Our Process

From initial consultation to final delivery, Digital Twin's manufacturing process and approach is designed to ensure precision, quality, and timely services at every stage.



## Why Choose Us?



### Speed & Precision

Our rapid prototyping and precision equipment ensure quick turnarounds while maintaining quality.



### Custom Solutions

Tailored manufacturing services and solutions that suit your specific needs and requirements.



### Reliability

A dedicated team and cutting-edge technology that guarantee reliable and consistent results.



Digital Twin (Pty) Ltd is proudly South African.



Proud supporter of yes4youth.



### Contact Us

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