

SC21 Implementation Case Study

Technoset Ltd



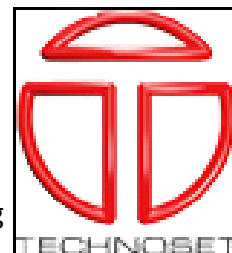
SC21 programme making the difference

Customer Comments:

"Tom and his team coordinated and facilitated all of the improvement opportunities that we identified. Over time we began to see improvement of which we could sustain because of the foundations that were implemented by TPT. We achieved Bronze Recognition for the performance improvements made within our SC21 programme. Without the support of TPT we would not have achieved this goal, Tom's commitment to our cause was fabulous"

Kevan Kane
Managing Director

Technoset is a precision engineering company based in Rugby. They specialise in the one-hit manufacture of ultra high precision turned and milled components. By fully utilising their latest fixed and sliding head CNC machines with up to 13 axes, driven tooling and full turning and milling capabilities, they are able to offer a high degree of flexibility to our customers.



Their secondary operations include:-
Grinding - Burnishing - Milling - Watchmakers Lathes, Ultrasonic and Conventional Washing and Cleaning equipment.



Benefits

- 60% reduction in set up times
- Increase in delivery performance from 85% to 90%
- Better able to respond to customer requirements and increased customer orders
- SC21 Bronze Recognition awarded.

Contact Details

Kevan Kane
MANAGING DIRECTOR
kevan@technoset.com
Technoset Ltd
Unit 3A Roman Way
Glebe Farm Industrial Estate
Rugby
CV21 1DB

Contact Details

Tom Townsend
PRINCIPAL CONSULTANT
tom@tptconsultancy.com
TPT Consultancy & Training
Litchfield House
Edwardsville
Treharris
CF46 5NR

SC21 Implementation Case Study

Kevan Kane –
Managing Director

“We are using OEE (Overall Equipment Effectiveness) to identify processing wastes to improve our performance”

Results

Number of changeovers per day is around 3, therefore:

- **The saving per changeover is 5182 secs ≈ 86 Mins, ≈ 1.4 Hrs**
- **Therefore saving per day ≈ 4.3 Hours**
- **Savings per week ≈ 21.5 Hours**
- **Savings per year ≈ 1014 Hours (47 weeks)**

Technoset are members of the Coventry and Warwickshire Aerospace Forum.

Their main challenge as SC21 signatories was is to achieve:

- On time delivery in full
- Quality Levels

Technoset are like many machine shops in the country, under pressure to continually improve in a very competitive environment.

The OEE programme involved the development of a Database that was used to capture data to monitor:

- Availability – Uptime/Downtime Analysis
- Productivity – Against standard rates
- RFT – Quality Rate

Development of Database

The initial phase will be the development of the database linking into the current Data-track system.

The input screen was developed so that data could be entered easily:

- A switchboard with buttons to navigate to:
 - Data input form
 - Downtime reasons
 - Reject reasons
 - Reports and Charts

After the database has been running for a period of 3 months and the data is showing that there are 3 main areas for improvement in downtime:

- Setting (15% of available time)
- Unscanned (Where the machine is idle but no reason recorded) (13% of available time)
- No setter available (10% of available time)

As a result Technoset decided to concentrate the improvement activities in these areas.

Actions

The key actions embarked on by the company were to develop a structure and support systems to pre-kit tooling and gauging. This was achieved by restructuring the shop-floor. This restructuring ensured that tooling and gauging was prepared for the next two jobs planned on each machine. All operators are being trained to kit issue.

Results

The time taken and the distance travelled to complete changeover at the start of the programme. (seconds/ metres)

Total Time Taken	8484
Total Distance Travelled	812

The time taken and the distance travelled to complete changeover when the changes were made. (seconds/ metres)

Total Time Taken	3302
Total Distance Travelled	174

For more information contact:

tom@tptconsultancy.com
 Mob: 07767 883563
 leigh@tptconsultancy.com
 Mob: 07727 617505
 sarah@tptconsultancy.com
 Mob: 07825 769292