

CASE STUDIES

STRYKER ORTHOPAEDICS

Stryker Orthopaedics is a worldwide leader in the medical device industry with unparalleled variety of high quality, innovative products and services.

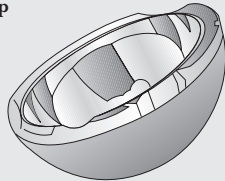
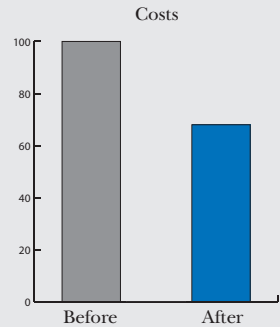
At Stryker Orthopaedics site in Cork, Ireland, different parts for medical use are manufactured. Stryker were experiencing some difficulties manufacturing titanium hip cups.

By using Seco PCA to analyze costs and applying the latest in tooling technology and extensive metal cutting knowledge, Seco were able to make substantial improvements both in terms of cost and increased output.

“On a particular project within one of our manufacturing cells, we managed to reduce the cost per part by 32% and we also increased our throughput by approximately 20%. We were so successful at that manufacturing cell that we decided to roll out the process across the factory.”

*Melvin Hartnett
Manufacturing Technologist
Stryker Orthopaedics*

Hip Cap



CONTACT & INFORMATION

ONLINE INFORMATION:

More PCA information:

<http://www.secotools.com/pca>

Seco Tools international website:

<http://www.secotools.com>

SERVICES

PCA

SECO PCA



PCA – PRODUCTIVITY & COST ANALYSIS

SECO

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SECO

OVERVIEW

In today's challenging marketplace it is becoming increasingly difficult for manufacturing companies to stay ahead of the competition. Rising costs are pushing companies into finding other ways of saving money and increasing profitability.

Seco's PCA is one solution that Seco can implement to enable the measurement, control and management of manufacturing processes. Seco's PCA will show where costs can be reduced and productivity can be increased to help maximise the profit on any process within the customers machining facilities.

Performed by a qualified Seco representative, Seco's PCA will enable a wider view of the manufacturing process, evaluating all types of tools and technologies to generate a comprehensive report including both process information (tooling and cutting data) and cost information (cost per part, output per hour and investment cost).

Customers who use Seco's PCA could typically expect to benefit from total cost savings of up to 30% and productivity increases of up to 40% regardless of the industry sector that they are working in.

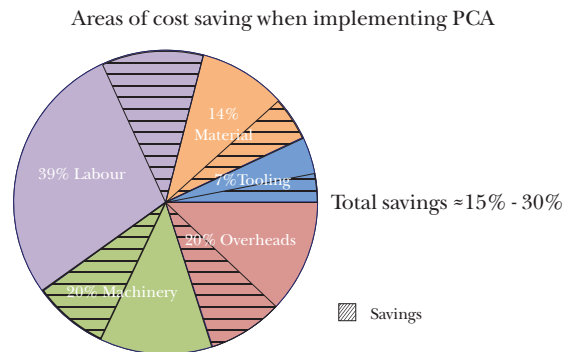
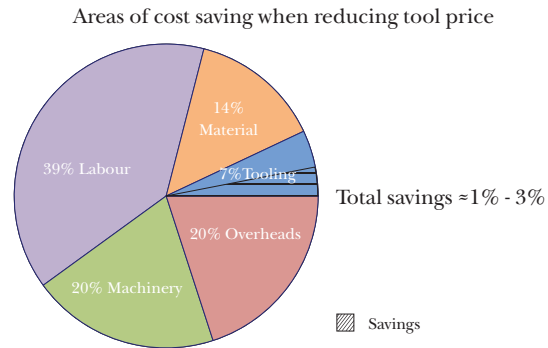
MAIN BENEFITS

- Reduced costs
- Detailed documentation
- On-going analysis
- Fast implementation of new processes
- Access to the PCA knowledge base through your Seco representative
- An increase in your competitiveness
- Improved ROI on expensive capital equipment
- Improved bottleneck performance / plant throughput
- Reduced operating costs
- Deferral of capital expenditure
- New / extended business opportunities

HOW

Seco's PCA will enable us to look at the manufacturing process, not just the cutting tools. By benchmarking the current process, we can identify where the greatest savings can be achieved and what are the major factors in the costs of the machining processes that are being undertaken.

COST BREAKDOWN FOR AN AVERAGE MACHINING OPERATION



Once we have the benchmark data we can begin to use our extensive experience within the global metal cutting industry to create an optimized operation to suit the manufacturing environment.

We can use Seco's PCA to focus on a single machine tool process or an entire set of factory or component operations. This will take into account bottlenecks and restraints and can help to balance the production to achieve maximum profitability.

COLLABORATION

Seco's PCA is a reporting system which enables Seco to work closely with its customers in order to focus on the key areas within their manufacturing facilities.

Becoming involved with Seco's PCA requires a high degree of openness and mutual confidence as the analysis, which is highly complex, takes into account a great many factors including batch sizes, machining data, hourly rates, purchase costs, shift patterns and business plans. All these factors have an influence on the effectiveness of the Seco's PCA system as it is used to drive down costs and improve productivity.

To date, Seco has carried out thousands of Seco's PCA analyses worldwide which have resulted in substantial savings for the companies involved.



A Seco representative presents the result from the PCA system for a customer.