

## COOPERATION OF ENGEL & MCP



# ENGEL & MCP: A successful cooperation between the global leader of injection moulding machines and the manufacturing consulting company MCP

### Joining forces to help injection moulding companies achieve better results

Engel and MCP joined forces in 2010 to help plastic manufacturers achieve their goals and strive for excellence.



### The complexity is increasing. Is your productivity too?

In this contested market, where the demands on product, price and quality are growing, your challenge is to increase productivity while reducing production costs. This challenge of your everyday production life is illustrated by the following questions.

#### The production is running:

- Can you imagine reducing your cycle times by 5 % through process optimization and training ?
- Do all machine settings match perfectly?
- Can the interaction process of machine/robot be optimized?
- Does the ratio of total material input vs. sellable product output work out
- Do you manage your parts data safely and efficiently?
- Does your mold-changing strategy match your production portfolio?

#### The production has stopped:

- Can you imagine saving 10%, 40% or even as much as 90% in set-up time through various measures?
- Are the service intervals timed for optimum production?
- Does the ratio of up-time vs. down-time meet your production needs?
- Is the number of for set-up processes optimized by your planning tool?
- Preventive vs. reactive maintenance – is there a perfect balance? Is the

### ENGEL

#### Engel Austria GmbH, Schwertberg

The ENGEL group has been thriving for decades: The family-run company relies on long-standing relationships and aims to live up to our own exacting standards of expertise and experience in all fields of plastics processing.

With more than 4.800 employees worldwide, the market leader for injection moulding machinery and equipment made a turnover of a 1.07 billion Euros in 2014.

### mcp

#### MCP GmbH, Vienna

Founded in 2007 in Vienna the consulting company MCP has been working for the plastics industry since the beginning. Numerous operational excellence projects and a strong focus on production planning have helped international manufacturers to achieve excellence.

### The Cooperation of Engel and MCP

Engel and MCP started their cooperation to join forces and add together the best both worlds: a strong technical expertise in plastics manufacturing and state-of-the-art consulting expertise in lean management and planning processes.

maintenance scheduled and well managed?

- Can you set up in two minutes?
- Are there difficulties in the mold changing process?

#### Cutting production costs:

- Can you imagine saving up to 25% of the cost by using barrel insulation, a modern drive concept and process automation?
- Is your planning organization and production management occupied by ad-hoc measurements to prevent chaos or are you able to control and schedule each step in production?
- How high is the amount of rejects?
- Are you able to successfully implement strategies to cut working capital?
- Is there enough transparency to know, where working capital costs occur?
- Has your energy consumption dropped in recent years?



- Are you making use of all available machine function in order to save time and money?
- Do you know if your machine and personnel capacity is set up according to current needs or are you adding costs by gathering unneeded overcapacity?

#### Engel: Experience in the plastic industry for more than 60 years

The ENGEL company with more than 60 years of experience in the plastics processing industry has been an influential companion of the global success story “plastic”. Their technological expertise is evident in their customers’ success – and their

wealth of customers. With some 40 international trainers, more than 3,000 qualified training participants per year and a service staff of more than 500, ENGEL has gained profound knowledge of the everyday challenges of injection molding.

#### Engel and MCP: experts in plastics and management consulting

In addition to the ENGEL’s expertise, they also rely on the experience and skills of the partner MCP GmbH.

MCP is a classic corporate consultant for multinational industrial enterprises. Using the latest tools and methods, their 20-member team is active throughout Europe to make everyday industry work more efficient and more transparent. MCP is an excellent addition to the expertise of ENGEL.



### Key Benefit

Take the best of both worlds: technical expertise on mold injection and state-of-the-art management consulting

### Key Benefit

Significantly improve your KPIs: e.g. reduce up to 90% of your set up time.

„The important thing is not to stop questioning. Curiosity has it’s own reason for existing.”

*Albert Einstein*

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