

# MACHINE MAKER

www.themachinemaker.com

14  
2004-2018  
Anniversary



## THE MARSHALS OF IMPREGNATION

### SAIBAL & PROBAL

MAIN FEATURE

**SMART FACTORY**  
INDUSTRY 4.0 in INDIA

54

INDUSTRY SURVEY  
MSME & SMART FACTORY

WOMANUFACTURING

**RANGOLI** SKILLS TO  
**GREAT WELDING**





MANUFACTURING EXCELLENCE

# Blaser Productivity Trophy Award To Honour Partnership

Productivity, efficiency and quality of machining in a manufacturing process depend significantly on the selection of the right coolant. In this context, Blaser Swisslube organised the 3rd edition of Blaser Productivity Trophy Award Ceremony on 14th September 2018 in Gurugram. This distinction is awarded to end-users to reward the highest demonstrable added value.



*Providing added value through our liquid tool approach has become our way of life!*

**Punit Gupta**  
Managing Director, Blaser India

Blaser Swisslube greatly believe that Blaser metalworking fluids are more than just an aid to machining parts. The Liquid Tool saves time and money – without harming humans and the environment, infact one of the safest in the world for human and environment. Blaser Swisslube started the initiative in 2014

to honour customers who led projects that demonstrated exceptional co-operation and mutual success. Fourth year of celebrating the success, Blaser Swisslube announced the results in the following categories– tool optimisation, total costs of ownership, metalworking fluid optimisation, productivity increase and process optimisation. In the selection of this year’s award were those end-users, who were willing to document their achieved added value through collaboration with Blaser Swisslube. Key productivity projects were evaluated for this productivity award ceremony.

**Tool Optimisation**  
In the category of tool optimisation, Bajaj

## Blaser Productivity Trophy Winners 2017-2018

<b>Tool Optimisation</b>	<b>Bajaj Motors Ltd</b> Binola, Haryana 122 414.
<b>Total Costs of Ownership</b>	<b>Carbide Cutting Tools Pvt Ltd [OSG (India) Pvt Ltd]</b> Dist 24, Pargana (S), West Bengal 743 504.
<b>Metalworking Fluid Optimisation</b>	<b>Highway Industries Ltd</b> Ludhiana, Punjab 141 010.
<b>Productivity Increase</b>	<b>Mahindra Vehicle Manufacturers Ltd</b> Automotive Sector, Pune 410 501.
<b>Process Optimisation</b>	<b>Cummins Technologies India Pvt Ltd</b> Phaltan, District Satara 415 523.

Motors from Binola, Haryana, was the winner. Established in 1986, Bajaj Motors is a quality supplier of forging, casting, machined components and assemblies catering to all vehicle segments that include two wheelers, four wheelers, tractors, heavy equipment and industrial products for oversea and domestic markets.

For a recent project, Blaser Swisslube was asked to examine the AAWA AAYA line for improvement potential. After a detailed on-site analysis, they found a good chance to improve tool life while reducing the tool cost by using the right coolant, reducing the tool costs with an improved surface quality.

**Total Costs of Ownership**  
The next category of awards presented were for total costs of ownership, in which Carbide Cutting Tools, a fully owned company of OSG India Private Limited, was announced

as the winner. OSG is the world’s largest manufacturer of round cutting tools with top global market share in taps, drills and end mills.

Blaser visited the OSG facility and discussed about the added values through the Liquid Tool approach. A joint project, initiated with mutual collaboration at Falta plant, was undertaken using the innovative hydrocracked formulation, which made it possible to reduce cycle time and to achieve a 12% productivity increase. A joint study was also conducted to monitor the improvements in wheel loading, thus improving the process security and surface finish.

**Metalworking Fluid Optimisation**  
The third area where awards were presented was for metalworking fluid optimisation, in which Highway Industries from Ludhiana emerged as the winner.



**Carbide Cutting Tools [OSG (India)]** won the Blaser Productivity Total Costs of Ownership Trophy 2018



**Cummins Technologies India, Satara** won the Blaser Productivity Process Optimisation Trophy 2018

Corrosion in the machine parts triggered a need to search for a competent coolant partner with a broad expertise in machining. The company realised that there is a huge potential of improvement with regards to the coolant technology. After a detailed on-site analysis was carried out by the Blaser team, the goals were achieved by improving the sump life and the coolant stability with substantial reduction in tool cost.

**Productivity Increase**  
The subsequent category of awards was productivity increase, in which Mahindra Vehicle Manufacturers from Pune was announced as the winner. Blaser submitted a proposal with a new technology product to reduce cut time of cylinder blocks and to machine with a better quality. A few weeks of intense testing resulted in a cycle time reduction of 15% (from 10 min, 30 secs to 8 mins, 56 secs) and the accuracy in machining cylinder blocks improved by more than 33%, which was an added value.

**Process Optimization**  
The last category of awards was presented for process optimisation, in which Cummins Technologies India from Satara emerged as the winner. After a thorough research and a detailed evaluation, Blaser offered an innovative formulation, which has an excellent corrosion protection behaviour and a good cutting performance.

**Blaser Swisslube India**  
☎ +91 124 4994000/ 40  
✉ india@blaser.com 🌐 www.blaser.com