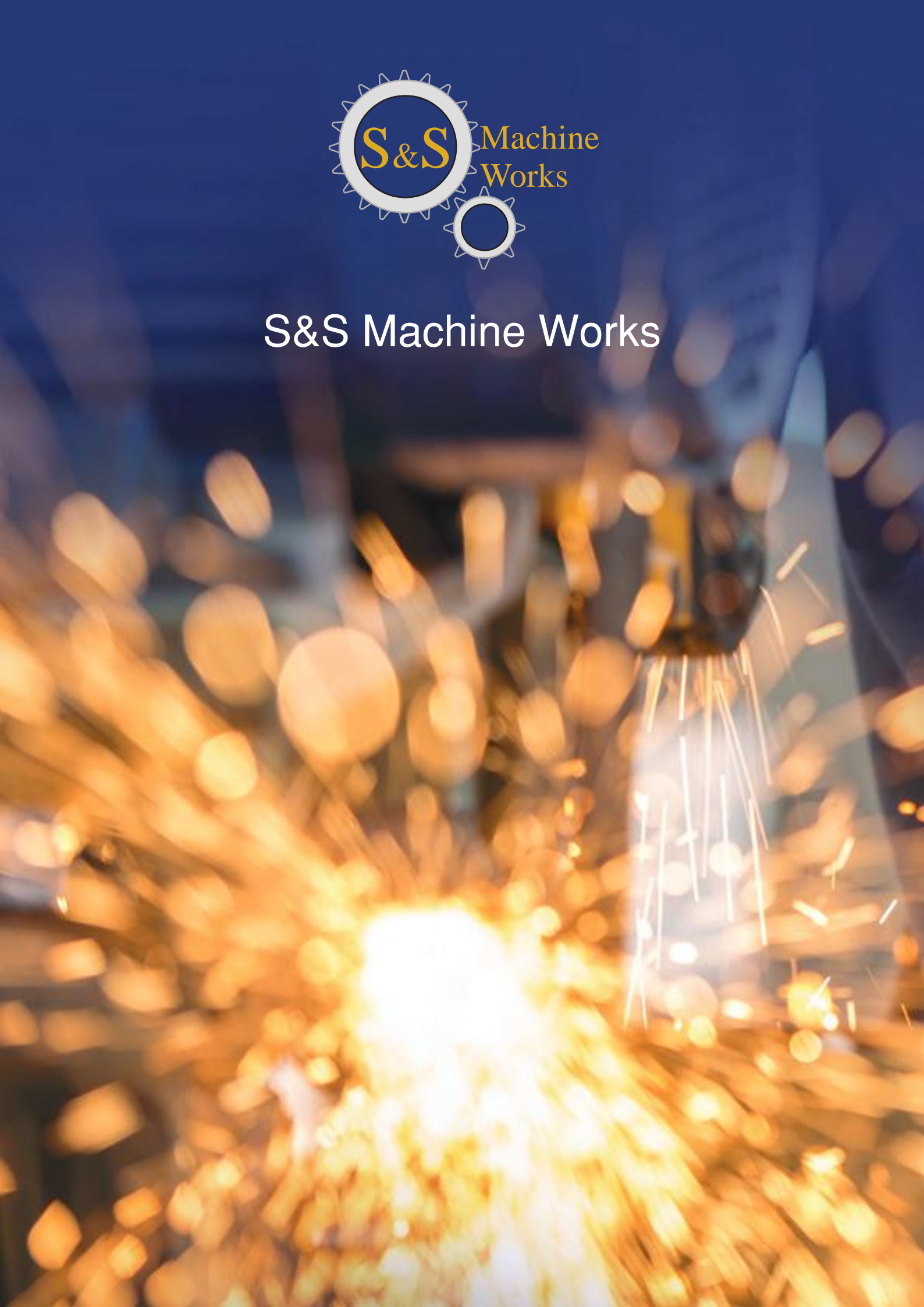




S&S Machine Works



About S&S

Headquartered in Illinois USA, S&S Machine Works is an innovative mechanical firm that collaborates with manufacturing firms across industries for their critical needs in machine components sourcing, design and replacement. At S&S we have built enduring relationships by meeting toughest of delivery and quality challenges for our customers. We take immense pride in providing personalized services and precise products. We have people, process, experience and capability to deliver to requirements - on time! every time!

S&S Machine Works engineering excellence enables us to understand and reverse engineer the most complex of components and parts for our clients in the machining industry. By using smart tools, intelligent analysis and detailed modeling techniques, used parts will get a new lease of life with our reverse engineering services. The speed with which we provide these services stand testimony to our tireless efforts to maximize customer satisfaction and our commitments to their deadlines.



What We Do

S&S is a manufacturer of quality tooling components supplying to key industries like automobile majors, textile manufacturers, and oil industry. S&S offers a variety of services from digital 2D / 3D modeling, value engineering to end-to-end sourcing partnering for standard components. S&S also has the engineering experience, expertise and capabilities to produce custom parts to suit your specific needs.

We have consistently delivered not just quality components but key strategic benefits to our customers:

- ▶ Reduced procurement time by 30%
- ▶ Sourcing options that reduce the cost by at least 20%
- ▶ A strong alternative for sourcing obsolete and non-supported components
- ▶ Highly accurate and precise easy to maintain on demand digital solutions for machine drawing
- ▶ Delivery focused OEM Clone



Tennessee based manufacturer of nylon and vinyl fabrics

A tape wheel component failed in a weaving machine. The weaving machine model was declared obsolete by OEM. OEM demanded a lead time of 7-8 months for replacement of Tape Wheel component and pushed for replacement of the weaving machine itself. High cost of new model placed a severe strain on investment and operations. Unacceptably long lead times threatened production throughput.

Tape Wheel Component was shipped to S&S. S&S reverse engineered component using CMM, VMC, Surfscoder etc and developed 2D & 3D models. Third party inspection of 2D and 3D model assured precision and quality. Component was manufactured and shipped to customer by S&S.

Component was manufactured and delivered within 45 Days of order placement (as compared to 7-8 months of OEM). Component delivered within 60% of the OEM cost.



Illinois based leading machine engineering company

The company was on the look out for reverse engineering a high precision sub component in tool heading machine for one of its clients. The high demand on close tolerance of the angles and dimensions of the component forced the firm to seek out expertise in engineering and manufacturing. As the component was machine critical, unavailability of the part on time would halt the production of the customer. The company was unable to find a partner who could guarantee the deliver against the demands of timelines and precision.

Component was shipped to S&S. The component was studied using Zesis CMM, VMC, profile projector, Surfcoeder etc. 2D and 3D models were prepared, presented and fine-tuned for precision. Component was manufactured based on approved 2D & 3D models. Dimension sheet was approved before shipment to customer. End customer delight was achieved through the zero-error precision that provided perfect matching on the existing mate.

Client was able to extend 43% cost saving to his End Customer. Client was able to demonstrate a sustainable solution to the End Customer for high precision critical component sourcing.



Illinois based Leading Ball Bearing Manufacturer

Company was dependent on vendors to manufacture spare parts based on drawings. Drawings available with the company were traditional hand drawings. Clarity and veracity issues of the traditional drawings due to poor readability and accuracy created issues of rework, poor quality parts and disgruntlement. Sourcing time was elongated due to prolonged discussions with vendors. Sourcing activity became tedious and led to productivity loss at various levels.

All traditional hand made drawings were converted to 2D and 3D formats using AutoCAD and Inventor by S&S. The digitized files were reviewed and approved for accuracy and precision.

2D and 3D diagrams greatly improved clarity of inputs for vendors, enabling better service. 2D and 3D diagrams greatly reduced time wasted around repeated clarifications, enabling shorter sourcing time, better productivity and overall profitability



S&S Vision

To build our organization as an epitome of perfection; and be admired by entrepreneurs, customers and our competitors alike. To provide Quality and Cost competitive machining products and Allied Engineering services to our customers in a manner that will make their business more profitable.

Contact Us

S&S Machine Works

Tel : 815-489-1558

Fax : 815-962-9944

Email : andy@ssmworks.com

Web : www.ssmworks.com