UNISIGN **EXPERIENCE**

# @WORK

## General machining

Case study

**Application**
Machining precision components for aerospace, healthcare and machine tool industries

**Material**
Cast iron, mild steel, aluminium a.o.

**Customer**
Ace Multi Axes System Ltd., India

**Machine type**
UNIPORT6000 (3x)

**Benefits**
- High precision machining
- Significant productivity increase due to pendulum setup
- Short installation time
- Reliable, low-maintenance machines
- Excellent service and remote support

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## Supporting India's most critical industries with precision machining

**About our customer**
Ace Multi Axes Systems Ltd (AMASL) is a proud Indian manufacturer specializing in high-precision components that power vital industries including aerospace, healthcare, locomotive, power generation, oil & gas, and machine tools. Founded in 1996, this professionally managed company is headquartered in Bangalore and operates five state-of-the-art facilities housing over 60 CNC machines. Today, AMASL stands among India's largest and most trusted job shops.

AMASL manufactures a comprehensive range of small, medium, and large precision components for mission critical applications for customers across India and the world. "We take immense pride in our contribution," says Mr. Prashanth Ramesh, Managing Director, AMASL. "From CT scanner gantries to helicopter wing structures, our components support industries that drive economic growth and enhance lives."

**Empire Machine Tools**
Empire Machine Tools has been representing Unisign in India for many years. Vice President Mr. Suresh Gujjar manages the Bangalore office: "Ace Multi Axes is one of our most valuable customers. We've built a strong and trusted relationship over the years. We support them not only in sales, but also in installation, service and training."

**Why UNIPORT6000?**
The relationship between AMASL and Unisign began in 2010, when Mr. Ramesh's father purchased the company's first UNIPORT6000. "It was a gut feeling," says

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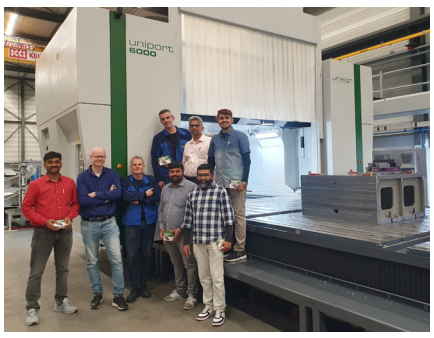
Mr. Prashanth Ramesh. “He visited the Unisign factory in the Netherlands, met the team, and saw the machines in action. That gave him the confidence to order.”

The performance of that first machine exceeded expectations. “It has been running trouble-free for 14 years. That’s why we returned for a second machine in 2023, and a third in 2025,” he adds. One of the standout advantages of the UNIPORT6000 lies in its combination of precision and efficiency. Mr. Ramesh explains, “The installation time is remarkably short — the Unisign machines are up and running in just 10 days. They deliver exceptional accuracy with minimal downtime, ensuring uninterrupted productivity. No other supplier comes close to that level of performance.”

## High-precision production with minimal downtime

Within its extensive machining facility,



AMASL uses its UNIPORT6000 machines to produce components for aerospace and medical applications. “We consistently achieve tolerances below 10 microns,” Mr. Ramesh explains. “That’s essential for the kind of high-spec parts we make.” The pendulum machining setup of the UNIPORT6000 machines further boosts productivity. “While one component is being finished, we can already set up the next one. That way, downtime is minimal,” he says.

## Smooth installation, blessed beginnings

Installing a new UNIPORT6000 is a well-oiled process. Empire Machine Tools works closely with Unisign’s engineers to handle pre-installation planning, foundation work, and alignment.

“Our team verified the foundation requirements, coordinated the unpacking, and supported the full installation,” says Mr. Suresh Gujjar. “Unisign’s technicians were highly skilled and worked side-by-side with us to get the job done quickly.” And there’s a unique local touch. Mr. Ramesh explains: “In India, we offer prayings for every machine before we start production - a ritual where we seek blessings for safety and success. We see our machines as gods, because they provide our livelihood.”

## Low maintenance, high reliability

Even after 14 years of continuous use, the first UNIPORT6000 machine at AMASL needed only minor service. Mr. Ramesh: “Only twice we had a Unisign engineer to visit us. Once for alignment, and once to replace a worn-out ball screw after 14 years.” Day-to-day maintenance is handled by AMASL’s in-house team. “We’re a machine tool builder ourselves, so we have a strong maintenance department,” Mr. Ramesh notes.

Mr. Gujjar adds: “Empire provides first-line support from our Bangalore office. We have trained engineers who can handle most issues. And for more complex challenges, we rely on Unisign’s excellent remote service. Thanks to that, downtime stays minimal.”

## Strong foundation for the future

With three machines installed and more potential on the horizon, Mr. Ramesh is confident in the relationship with Unisign. “We talk directly to the directors of Unisign. They’re approachable, responsive, and transparent. That’s what gives us the confidence to keep growing together.”

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