

# MAM72-35V is a Force Multiplier for KCS.

## Products & Advantages

**MAM72-35V PC32**



### Lower cost of ownership

High-mix/low-volume production & high-volume production in one machine

### In-house automation system

High degree of perfection with 30+ years of cultivated know-how

### High repeatability & robustness

Stable high-precision machining by high repeatability & robustness

### Maximize spindle uptime

Unattended 24/7 operation with a 32-pallet feed system & 320 tool capacity

KCS Advanced Machining Services, led by a young millennial leader, has a long history as a high-mix/low-volume, built to spec, 5-axis job shop, specializing in the precision machining for the automotive and aerospace industries, etc. In 2021, the company identified some new opportunities in high-volume production, and installed a **MAM72-35V PC32**, Matsura's flagship 5-axis machine.

## Background

### High-mix/low-volume production and mass production with a single machine

The KCS team approaches every project as an opportunity for success. While other shops shy away from challenging projects, KCS welcomes them. One day, the team decided to take on the new challenge of the high-volume production, in addition to their daily business of the high-mix/low-volume production.

At that time, the company faced the everyday challenges of labor gaps and cost of ownership. That's why they looked for a solution that can handle both high-mix/low volume & mass production, while promoting factory automation.



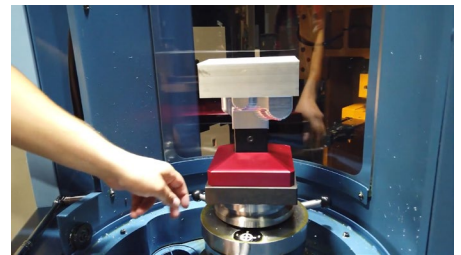
## Results

### The efficiencies can't be beaten.

"The **MAM72-35V** is the most efficient and most sensible point of entry into a high-volume market, as well as, very well suited for our everyday niche high-mix/low-volume 5-axis machining," said, founder and president, Kyle Szczypienski. A 32-pallet tower and 320 tool capacity provide flexibility and enable KCS to handle both high-mix/low-volume production and mass production with a single machine. The machine's high accuracy and part repeatability mean the last part is as good as the first part, even if you pull a job that hasn't run in months.

Matsura's factory-built automation is a force multiplier for their business. "With the pallet pool being integrated into that machine controller, there's only one controller that you have to deal with that provides lots of flexibility throughout the day. We like to call it the one-button automation," Szczypienski added.

The **MAM72-35V**, which can handle both production styles in one machine, consequently, reduces the cost of ownership. The automated solution features a high degree of perfection with 30+ years of cultivated know-how since the series launch in 1991. "The efficiencies can't be beaten," Szczypienski concluded.



### KCS Advanced Machining Services

Headquarters : 12842 Farmington Rd. Livonia, MI 48150, USA  
 Foundation : 2013  
 # of employee : 25  
 Business : Manufacturer of precision parts for space hardware, manned spaceflight, motorsports, automotive and aftermarket, consumer products, and industrial robotics



Watch the video



*I always say that with the less expensive machines you never stop paying for the machine, they have a lower price tag, but I feel like the cost of ownership is higher due to maintenance, or usually longer setups or typically having to cater to the machine throughout the process.*

*Whereas, we decided to go with Matsura because of the accuracy of the machines and the reliability and robustness of the machines would allow us to reduce our setup times.*

Kyle Szczypienski

Founder and President, KCS Advanced Machining Services

