



## Sinop SMP s.r.o.

www.sinopsmp.cz

The Czech company Sinop SMP s.r.o. relies on two strands of business. Refrigeration technology is their main business area. They produce and sell a wide range of cooling systems for the foodstuff industry. Sinop is also active as a job shop for the domestic industry.

### INDUSTRY

Sheet metal  
processing,  
cooling systems

### NUMBER OF EMPLOYEES

200

### LOCATION

Homole (Czech  
Republic)

### TRUMPF PRODUCTS

- TruLaser 5030 fiber
- TruLaser Robot 5020
- TruLaser 3030
- TruBend 7036
- TruTops Fab

### APPLICATIONS

- Laser welding
- Laser cutting
- Bending

## Challenges

Sinop had to invest in new machines in order to satisfy the stringent requirements of the cooperation partners. The demand for laser welding work grew particularly quickly. The technology became obligatory for their own products as well. For example, in the case of Soda Stream, a real sales hit, which is a device that prepares soda water for gastronomy. High-quality weld seams are an absolute must in its piping system, otherwise germs could start to form along the protruding edges. "That is only possible with the laser," confirms Kriz. The welding process is only one of many sheet metal processing steps in the product's production chain. The draining rack must be deburred, the housing must be folded and the individual parts of the tap device must be cut. The majority of Sinop products have such a high vertical range of manufacture. That has a downside. "In recent years, it has become increasingly difficult to keep an overview in production control," says Kriz.



"Our customers have extremely high expectations in terms of quality for the very demanding food product market – and that can only be achieved with the laser."

**VACLAV KRIZ**  
PRODUCTION DIRECTOR



## Solutions

Sinop bought the laser machine TruLaser 5030 fiber. From the very beginning, the sheet metal processors did not just have laser cutting in mind. "We wanted to keep the option open of using the laser for welding in future as well," says Kriz. That is why the laser welding cell TruLaser Robot 5020 was soon added.

## Implementation

The TruDisk laser is used with the TruLaser 5030 fiber as well as the TruLaser Robot 5020 in the laser network — an economical start to laser welding. "However, the demand for laser welding work grew so quickly that a second TruLaser Robot 5020 followed just a year later," remembers Kriz. Due to the high vertical range of manufacture, Vaclav Kriz and his team use the production software TruTops Fab to avoid falling victim to their own success. An important milestone - as it makes it possible to monitor the production in real time as well as to improve coordination of the production processes.



## Forecast

"TRUMPF is still advising us on the optimisation of our processes," says Kriz. "The entire team benefits

greatly from it." Regardless of whether it's about the machines or the people operating them: Sinop feels well-positioned and ready for new and demanding customer requirements.

#### Find out more about our products



#### TruLaser 5030 fiber

The TruLaser Series 5000 is a power pack among the TRUMPF laser machines. It is particularly impressive with its high processing speed and part quality – even with thick mild steel and complex contours. Operator involvement and non-productive times are reduced thanks to clever assistance systems, meaning you produce even more economically and reliably than ever.



[Zum Produkt](#)



#### Laser welding systems

With laser welding systems from TRUMPF, you weld metals and materials with high melting temperatures and heat conductivities quickly and extremely precisely – for visually pleasing weld seams without manual post-processing. Our systems are suitable for large quantities with high levels of repeatability as well as for changing lot sizes which require more flexibility.



[Zum Produkt](#)

