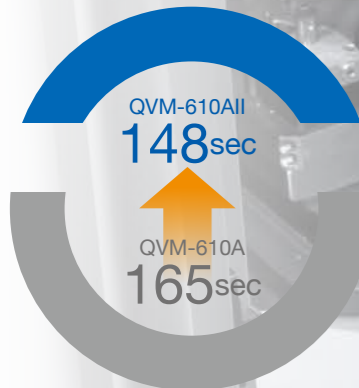


QVM-610All

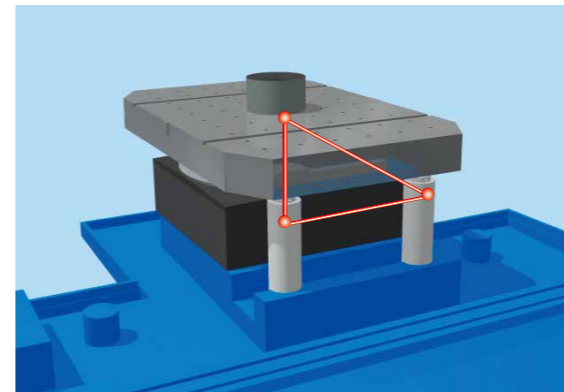


Workpiece : Pump cover
(diesel engine parts)
Materials : FC300
Amount of tools : 6



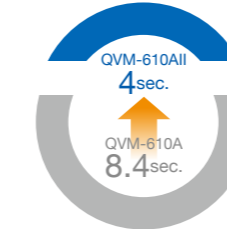
Shorten the APC time

Mechanism patent M448348

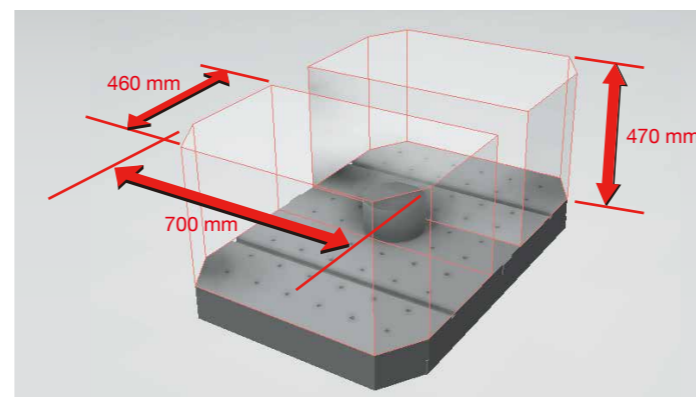


1. Triple-point clamping and supporting device is used to ensure the stability of pallet and improve the surface roughness.
2. Roller gear mechanism of APC device allows lower. The requirement torque is less while launching because roller gear mechanism is used in APC device.
3. Instead of hydraulic system, electric motor is used in APC device for energy saving and easy maintenance

APC time (Loading: 200 kgf)



Improve loading capacity of table

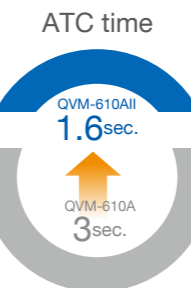


Loading capacity of table

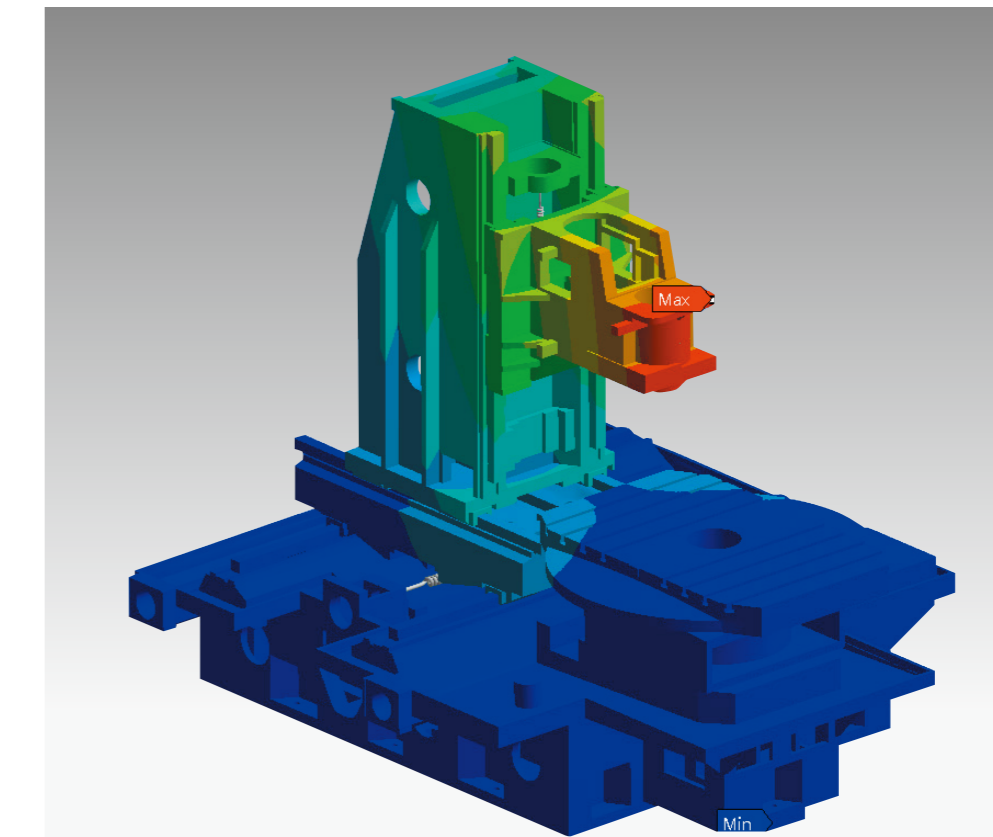


Shorten the ATC time

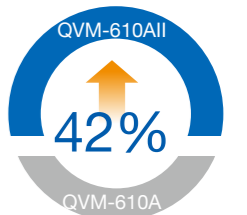
1. The ATC system is equipped with angular encoder to improve efficiency.
2. The deceleration ratio of ATC arm is changed from 1:10 to 1:7. Furthermore, higher output driven motor is used to increase rotating speed.
3. The more than million times endurance test has been performed in house.



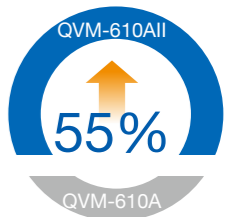
Considering every detail for obtaining extraordinary machining stability



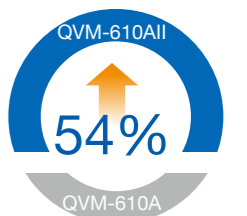
The rigidity of the X axis



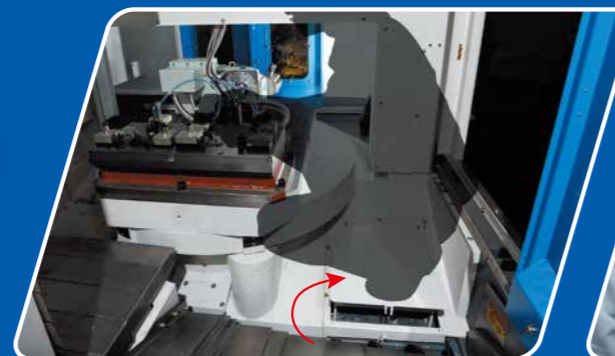
The rigidity of the Y axis



The rigidity of the Z axis



1. Through the finite element analysis (FEA), structure has higher rigidity and stability in high speed motion than previous model.
2. The Z axis stroke is increased by 50 mm to facilitate machining applications with 4th axis and higher workpiece.
3. High quality accessories are used to keep long-term stability and life such as high rigidity spindle and German-made linear guide way.



Raised concealed pedal



Collection cabinet



Daily maintenance