



**Special Project**

# High Speed Conveyor

MONK Conveyors Special Projects designed and built this high speed conveyor for a customer that required a high speed moving surface to help them develop their scanners.

Our MONEX40 aluminium extrusion is used to construct a



A special direct drive was designed with a toothed belt drive to the main drive roller.

The conveyor has a variable speed controller with ramped acceleration and deceleration and runs at speeds up to 450 meters per minute.

All moving parts were dynamically balanced to eliminate vibration.

Special contacts were used to conduct the static electricity to earth. This is produced by the friction between the belt and the support plate

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