



SPYDER CNC Machine

APSX SPYDER is a precise and rigid CNC milling machine that can cut metals, wood and plastic. It fills the void in the market for CNC routers to cut specifically metals not just wood. APSX SPYDER is a complete system that includes configured LinuxCNC, embedded PC, keyboard, and pendant. There is nothing else you need to start milling parts. It also uses a standard wall outlet for the control box and monitor.

APSX LLC designs and manufactures advanced production solutions such as plastic injection machines (APSX-PIM) including custom molds and CNC machines (APSX-CNC SPYDER).

APSX
ADVANCED PRODUCTION SYSTEMS

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Specifications

Key Specs

Machine Footprint	30" X 23"
X Y Travel	20" X 12"
Z Travel	4"
Weight	150 lbs
Power Requirements	120 VAC
Repeat accuracy at no load (+/- 0.0002")	
Achievable machining accuracy (+/- 0.001") or better	

Spindle & Feed Rate

Spindle Drive	800W
Spindle Speed	2000 to 20000 RPM
Feed Rate	140 IPM
Axis Drives	NEMA24 Steppers (8 motors)

Construction

Shafts	1" diameter steel shafts
Surface Plate	Hard anodized aluminum 2" spaced 1/4"-20 grid
Mounting Plates	Hard anodized aluminum
Coolant	Air coolant
Auto-Mist	Automatic Alcohol/Water mixture

Control

Operator Console	PC on/off USB ports (2) E-Stop Status and power display
Controller	MESA Auto-Mist control Configured LinuxCNC 1-yr FUSION 360 included