

QUICK SPECS

PLASMA TABLE SIZES

4' X 8'
5' X 10'
6' X 12'

MATERIAL TYPES

ALUMINUM
STAINLESS STEEL
MILD STEEL

CAPABILITIES

PLASMA CUTTING
OXY-FUEL CUTTING
BEVELING OPTION
MARKING SOLUTIONS

ADVANCED MACHINE SOFTWARE

3D GRAPHICAL INTERFACE
ADVANCED NESTING FEATURES
INTERACTIVE NESTING VIEW
MACHINE INTEGRATION
PART DEVELOPMENT
BUILT-IN PART LIBRARY

MAKE YOUR MOVE

THE X-CUT NEXUS PLASMA SYSTEM IS A HIGH-QUALITY AND AFFORDABLE SOLUTION DESIGNED SPECIFICALLY FOR EDUCATIONAL INSTITUTIONS AND HOBBY SHOPS.



Base Frame

- HEAVY DUTY STEEL FRAME CONSTRUCTION
- FULLY WELDED MAIN SUPPORT FRAME
- POWDER-COATED EXTERIOR COVERS
- IGUS TRACK ON X AND Y AXES
- ADJUSTABLE LEVELING FEET

Robust Enclosure

- CUSTOM CONTROLLER ENCLOSURES
PROVEN TO HANDLE HARSH
SHOP ENVIRONMENTS
- EMERGENCY STOP BUTTON
- JOYSTICK FOR MANUAL JOGGING
- WIFI CAPABILITIES
- USB PORTS FOR FILE TRANSFER

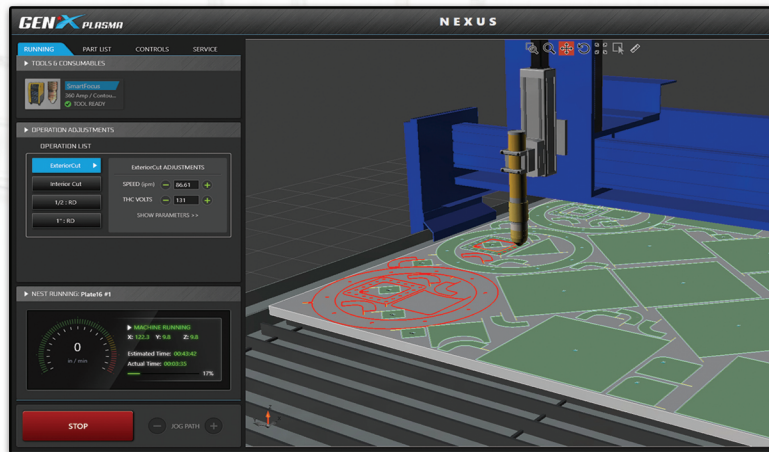
Gantry

- RIGID ANODIZED ALUMINUM EXTRUSION
- DUAL SIDE DRIVE
- 20MM LINEAR GUIDES ON ALL AXES
- OUTWARD FACING GEAR RACK

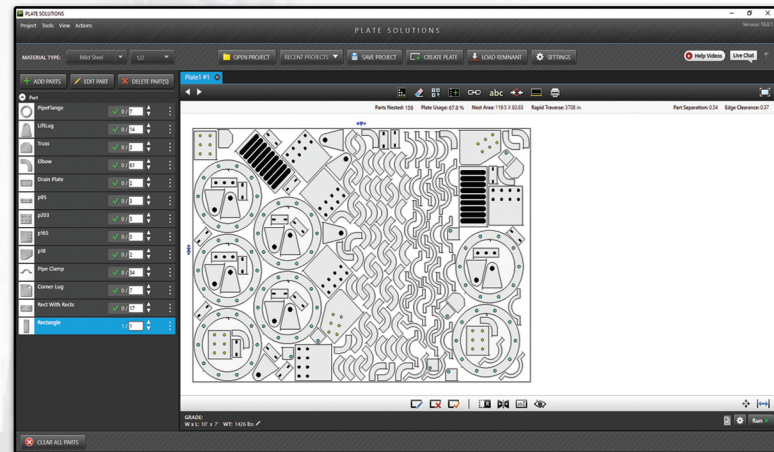
Overview

THE USER FRIENDLY INTERFACE AND POWERFUL CONTROL SYSTEM ENABLE PRECISE CUTTING AND INTRICATE DESIGNS, OPTIMIZING PRODUCTIVITY. WITH ITS COMBINATION OF RELIABILITY, AFFORDABILITY, USER FRIENDLINESS, AND ADVANCE FEATURES. THE NEXUS PULSE PLASMA SYSTEM PACKAGE IS THE PERFECT CHOICE FOR EDUCATIONAL INSTITUTIONS AND HOBBYISTS LOOKING TO STEP INTO THE WORLD OF CNC AND ACHIEVE SUPERIOR CUTTING RESULTS.

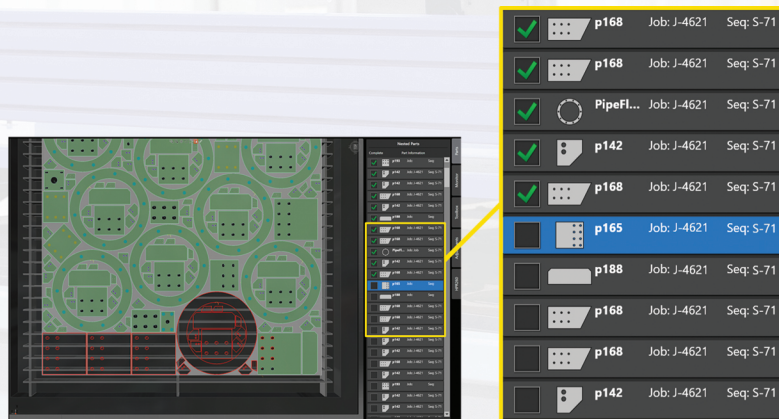
3D GRAPHICAL INTERFACE



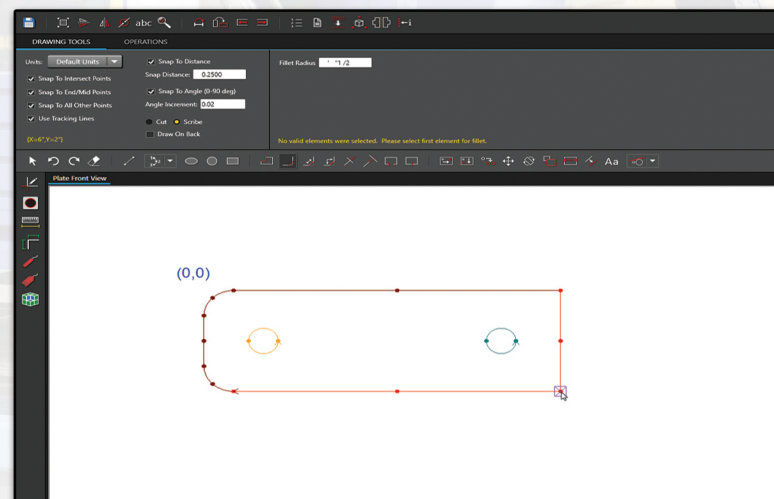
ADVANCED NESTING FEATURES



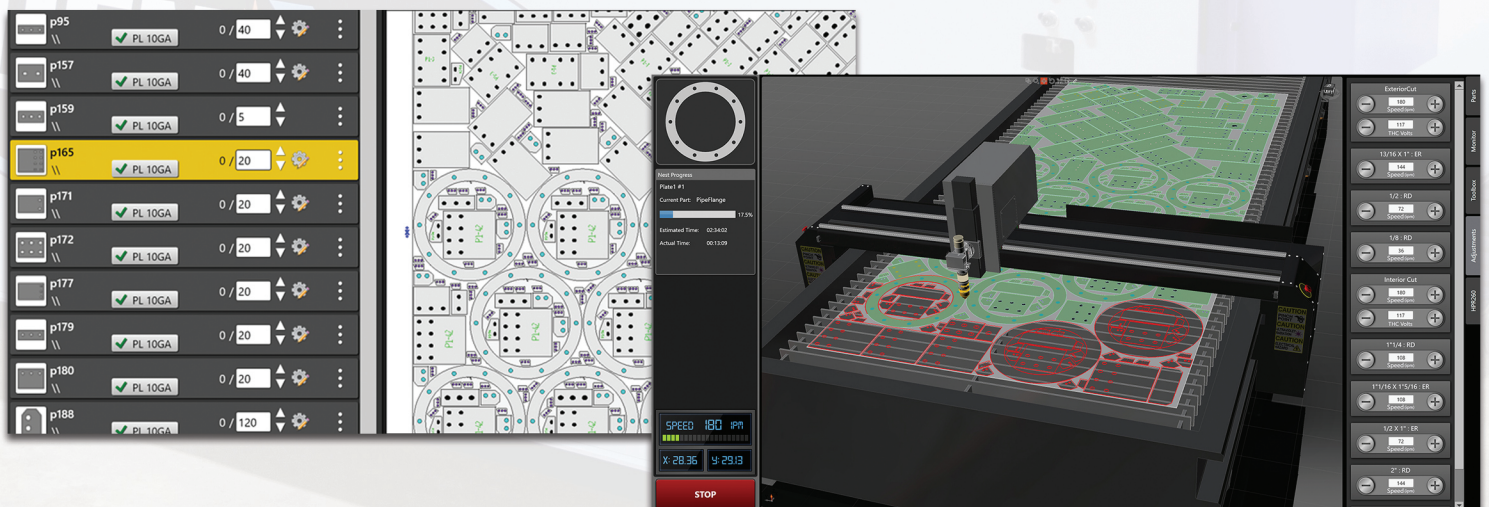
INTERACTIVE NESTING VIEW



PART DEVELOPMENT



NESTING MACHINE INTEGRATION



MACHINE CONTROLLER FEATURES

✓ = included + = optional upgrade

Nexus Pulse

Plate Solutions Nesting Software (Two Seats)	✓
Steel Solutions Nesting Software (Two Seats)	+
Real-Time Interactive 3D Machine Model	+
Built-In Cut Parameters	✓
Run-Time Operation Adjustments	✓
Cut Path Jogging	✓
New Lead-In Generation for Arc Loss	✓
Saved Locations / Home Points	✓
Remnant Tracing	✓
Skeleton Cut Up	✓
Trial Mode for Nest Run	✓
Built-In Customizable Part Library	✓
Consumable Life Tracking	✓
Interactive Run-Time Part List	✓
Nest Recovery Wizard	✓
Monitoring and Diagnostics	✓
Sight Laser	✓
Manual Plate Skewing	✓
Straight Line Bevel Cutting	+
Pneumatic Scriber	+
Gas-Torch Cutting	+

NESTING SOFTWARE FEATURES

✓ = included + = optional upgrade

	Plate Solutions	Steel Solutions
True-Shape Auto Nesting	✓	✓
Manual Nesting	✓	✓
Remnant Management	✓	✓
Crop Line Generator	✓	✓
Part-in-Part Nesting	✓	✓
Chain Cutting	✓	✓
Part Collision Detection	✓	✓
Generate Cut Order Auto or Manual	✓	✓
Nest Thermal Sequencing	✓	✓
Nest Reporting	✓	✓
Full CAD Package (Part Programming)	✓	✓
Path Smoothing Macro	✓	✓
Auto-Generate Part Stencils	✓	✓
Part Error Checking	✓	✓
Customizable Part Library	✓	✓
2D & 3D Part View	✓	✓
New Part Creation	✓	✓
Auto-Nesting Optimizer	+	✓
Tool Specific Kerfing	+	✓
Bridge Cutting	+	✓
Generate Heat Number	+	✓
Auto-Nest Grid Fit & Part Clustering	+	✓
Live Chat for Tech Support	✓	✓
Help Video Library	✓	✓

NESTING SOFTWARE FEATURES CONTINUED

✓ = included + = optional upgrade

	Plate Solutions	Steel Solutions
Multiple Material/Thickness Per Project		✓
Advanced Cope Library		✓
Hole Pattern Programming	✓	✓
Tekla PowerFab Integration		✓
Inventory Management		✓
Machine & Project Run Logs		✓
Nest Time and Cost Estimating		✓
Skeleton Dividing for Auto-Nest		✓
DXF/DWG Importing	✓	✓
Artwork Importing (.svg)	✓	✓
Image File Importing (.jpg, .png)	✓	✓
DSTV Importing		✓
Load Files from CSV / Excel		✓
Load Files from CNC		✓
Export DXF & DSTV (.nc1) files		✓
Structural DXF Importing		+
3D Importing (from SolidWorks or Inventor)		+
DSTV+ Importing		+
Structural Part Nesting		+
Assembly Marking		+

PLASMA OPTIONS

● = Available

Nexus Pulse

HYPERTHERM PLASMA OPTIONS

PowerMax 30 XP

●

PowerMax 30 Air

●

PowerMax 45 XP

●

PowerMax 65 Sync

●

PowerMax 85 Sync

●

PowerMax 105 Sync

●

PowerMax 125

●

MAXPRO 200

●

Hypertherm®



POWERMIX
SERIES



MAXPRO 200

TOOL OPTIONS

● = Available

Nexus Pulse

MARKING

Pneumatic Scriber

●

GAS TORCH

Single Manual Gas Torch

●

BEVEL HEAD

EZ Bevel (Straight-Line Bevel)

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