

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

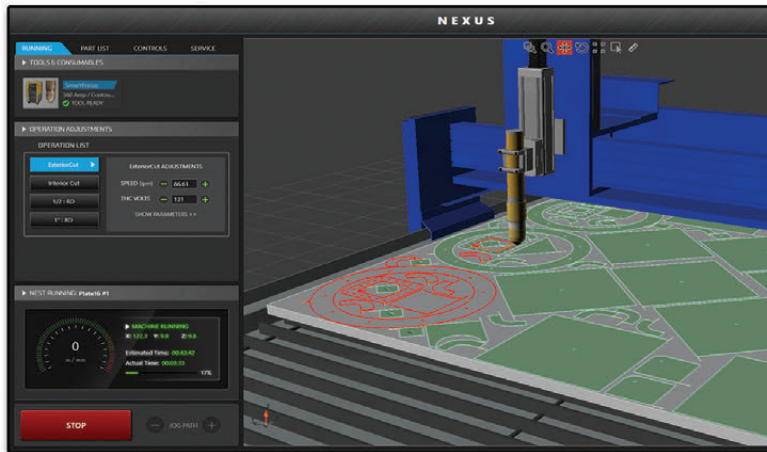
EZ Bevel (Straight-Line Bevel)

●

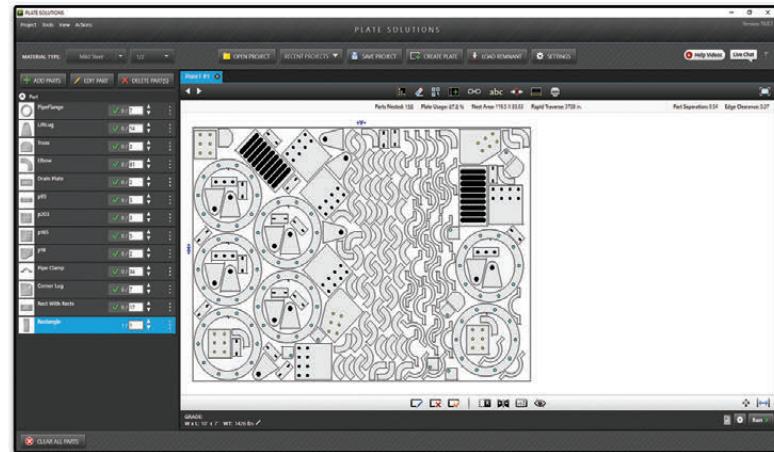
NEXUS PULSE PLASMA SYSTEM



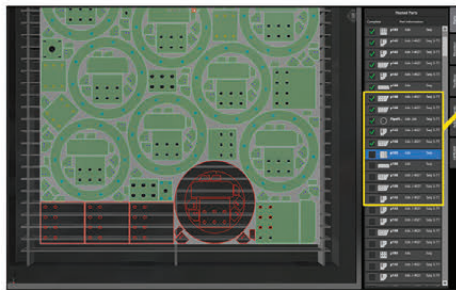
3D GRAPHICAL INTERFACE



ADVANCED NESTING FEATURES

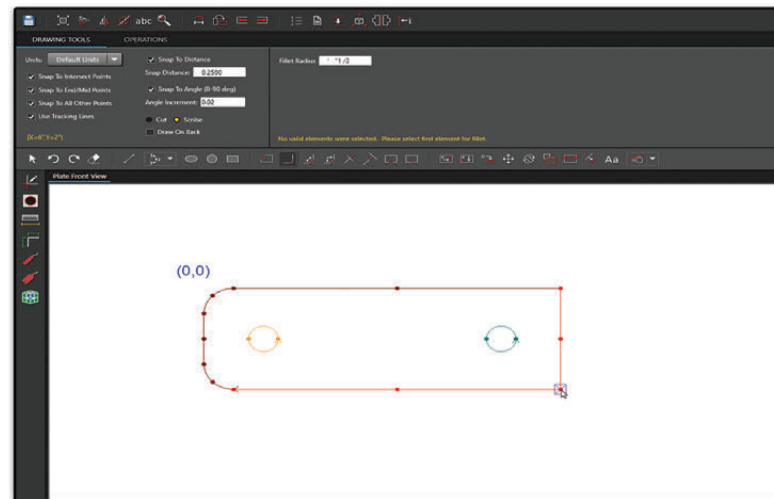


INTERACTIVE NESTING VIEW



✓	p168	Job: J-4621	Seq: S-71
✓	p168	Job: J-4621	Seq: S-71
✓	PipeFl...	Job: J-4621	Seq: S-71
✓	p142	Job: J-4621	Seq: S-71
✓	p168	Job: J-4621	Seq: S-71
✓	p165	Job: J-4621	Seq: S-71
✓	p188	Job: J-4621	Seq: S-71
✓	p168	Job: J-4621	Seq: S-71
✓	p168	Job: J-4621	Seq: S-71
✓	p142	Job: J-4621	Seq: S-71

PART DEVELOPMENT



NESTING MACHINE INTEGRATION

