1. Machine

* 2.5 KW or greater fiber laser with a shuttle table capable of handling 60” X 120” sheets of material.
* Thickness of material up to .75”
* Dust collection system included to meet the requirements needed for safe operation.
* Capable of being run from 208V 3 phase power source.
* Machine meet all OSHA requirements, have proper guarding and be UL approved.
* Auto lubrication system with timer preferred.
* Machine must have remote CNC dual control stations.
* Laser power must be adjustable to provide capability to etch barcodes, part numbers or numbering systems.
* Laser head attachment – must define parameters ( Min, Attachment, centering process)
* Door location: full side door access
* Speed: must cut > 2000 IPM using just shop air with no assist gas

2. Software

* PLC controlled with assigned user levels or password controlled access.
* Must include auto nesting.
* Must have auto nesting features.
* Must have OEE features that can collect data such as beam on, machine on, work order time.
* Must include sheet location capabilities and auto adjust for any skew of materials.
* Must have capability to support online tech support at the source of machine that can be secured.
* No internet available for users without staff present.
* Must include an Internal camera option

3. Service

* Tech onsite within 48 hours from contact.
* Must have permanent full time tech located within 300 miles from Anamosa, Iowa.
* Must also have online support available and phone support available between 6am to 6PM 365 days per year for the life of the machine.
* Replacement parts: minor parts within 48 hours; major parts within 2 weeks.
* Warranty: 3 years on all parts and labor excluding common consumables

4. Training

* Onsite training available at the time of install for all programmers, operators, staff and maintenance personnel.
* Training will cover operation of the machine, best practices for programing and applications and basic preventative maintenance.
* Training materials will include all standard work documents, operator manuals, wiring diagrams, parts list with drawings and troubleshooting guides.
* Off-site training for staff available as well.

5. Installation

* Complete shipping and installation is included.
* This includes all out sourced mechanical duties, millwright services and equipment to put the machine in place and operational.
* Service tech will remain onsite until the machine is meeting the agreed upon specs and in normal operation.