

MESSER 
Cutting Systems

MATERIAL HANDLING

Material Handling increases the throughput of your Messer Cutting System to allow you to produce more efficiently and economically.

SHUTTLE SYSTEMS



METALMASTER XCEL SHUTTLE SYSTEM

Photo featuring 10'x 20' shuttle table system MetalMaster Xcel, Slagger® table and automatic plate alignment.



SHUTTLE TABLE WITH ENCLOSURE

The Shuttle Table Enclosure provides noise, light and smoke abatement. Plate capacity up to 2" thick.





AUTOMATED ENCLOSURE FOR FIBER LASER

Automatic enclosure for fiber laser cutting with the MetalMaster Xcel with laser safewindows and TV provide optimal viewing while cutting. Cut up to 1" thick with the fiber laser.



IN-LINE CONVEYOR CUTTING TABLE

Franklin Manufacturing in-line conveyor table provides an excellent solution for cutting long parts. The table, with self-cleaning channel design, works as an exhaust duct and aids in smoke removal.



SMART CRANE

Smart Crane for automatically loading plate and can also be applied for part unloading.



STORAGE TOWER SYSTEMS



IN-LINE SYSTEM WITH MINI STORAGE TOWER

In-line Shuttle with Mini Storage Tower providing a buffer for part unloading. Optional noise and light abatement enclosure shown.

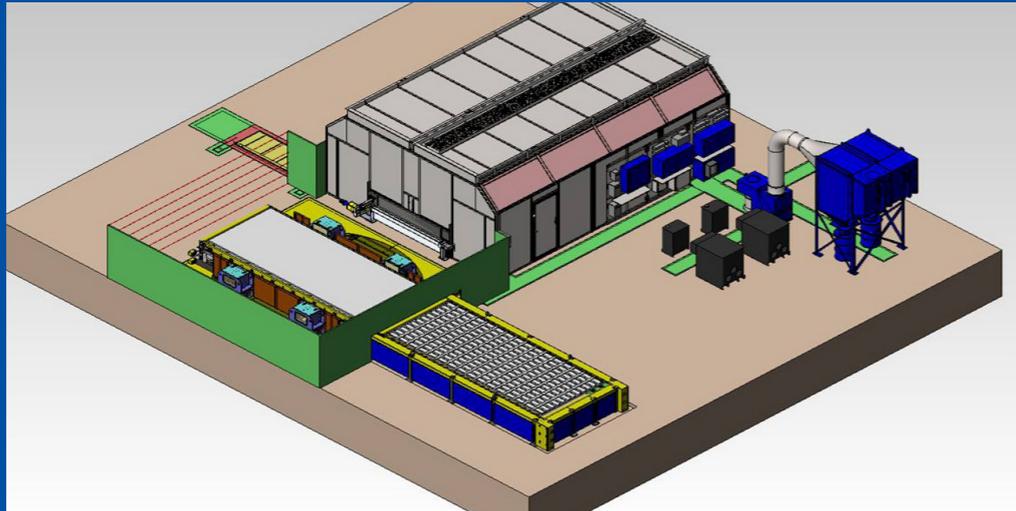


MINI STORAGE TOWER

Provides a buffer so part unloading does not affect machine cutting, by allowing the machine to run continually during pallet transfer cycle. Provides an ergonomically friendly working height for plate load and part unloading.



TURNTABLE SYSTEMS



TURNTABLE SYSTEMS

Turntable systems provides flexibility for placement of equipment to best suit building and manufacturing flow requirements.

TURNTABLE TRANSFER

Turntable transfers pallets from storage tower to machine.

TURNTABLE FEEDING TWO MACHINES

Turntable allows two machines to share storage towers providing greater flexibility and utilization of the material handling system.

CONVEYOR CUTTING TABLES

- Using these systems can result in a 30-40% increase in productivity over traditional cutting solutions.
- Messer offers a variety of shuttle tables from 6'x 10' to 10'x 25' plate area with either .75" or 2" capacity.
- For long plate applications, Messer Cutting Systems and exclusively partners with Franklin Manufacturing for in-line conveyor cutting tables for systems sold to the steel fabricators in the building industry.

MINI STORAGE TOWERS AND TURNTABLES

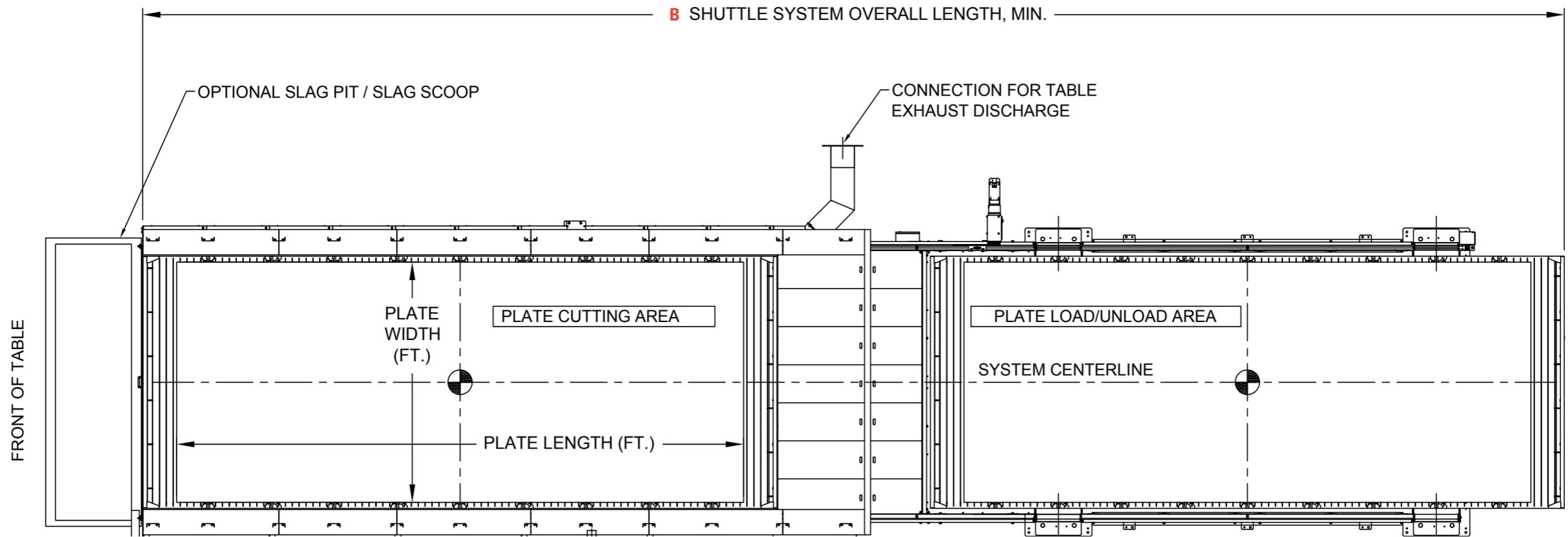
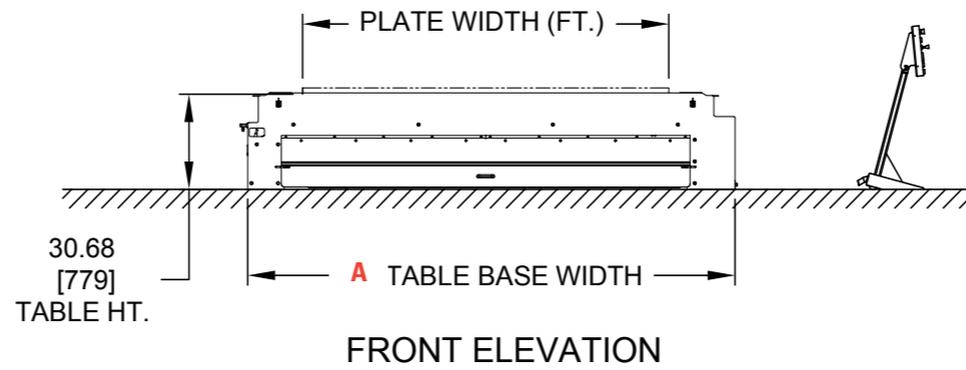
- Customers using these systems have seen a 40-60% increase in their productivity over traditional cutting solutions.
- Mini Storage Towers provide a buffer for plate storage and cut plates. Plate loading and part unloading operations do not affect the cutting machine operation other than during pallet transfer which is depending on pallet size, typically less than two minutes.
- A turntable allows the storage towers and cutting machine to be placed from the traditional in-line solution to a nonlinear arrangement to allow placement of equipment to best fit production flow. It can also be configured so that multiple cutting machines can be serviced with one material handling system.

FULLY AUTOMATIC STORAGE AND RETRIEVAL SYSTEMS

- Using these systems can result in, and as high as 90+% productivity depending on configuration.
- These systems can provide buffer for the cutting machines as well as plate and part storage. Example: partial cut plates can be stored and recalled until fully consumed.
- Storage and retrieval machines with optional rail systems allow servicing multiple towers and machines with load and unload stations.
- When multiple cutting machines are used, each configuration and model can vary along with quantity and type of processes including plasma, oxyfuel, and fiber laser.
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MESSER SHUTTLE SYSTEM

- » **Machines: Titan III, MetalMaster Xcel, MPC2000, and TMC4500 DB.**
- » **Provides an excellent platform to enable quick and efficient loading of plate and unloading of cut parts.**
- » **Plate capacity: 6', 8' and 10' widths 10'-25' length offered in 5' increments.**
- » **Two plate thickness capacities .75 and 2" mild steel.**
- » **Cutting area of the machine portion of the shuttle can be placed in a non-crane area such as on a bay line, protecting the cutting machine from the plate loading operation.**
- » **Shuttle system has a specific cutting and load/unload area allowing the operator to work freely without interfering with the cutting operation or concern of being hit by the machine.**
- » **Shuttle table incorporates servo drives on transfer and elevator stations allowing for combined transfer, and elevation simultaneously, reducing transfer time; and provides a base for additional material handling equipment such as "Smart Cranes" and "Tower Systems".**
- » **Included is the Slagger® advanced cutting support table with automated slag/smoke removal; for performance and reliable operation.**
- » **This package will enhance productivity and fill your production needs with flexibility and value not possible with other plate cutting systems.**



SHUTTLE TABLE MEASUREMENTS

Shuttle Table Plate Widths Ft.	A Table Base Width (in)	A Table Base Width (mm)	Shuttle Table Plate Lengths Ft.	B Shuttle System Overall Length Minimum (in)	B Shuttle System Overall Length Minimum (mm)
Shuttle Table 6'	111.75	2838	Shuttle Table 10'	338.25	8592
Shuttle Table 8'	137.75	3448	Shuttle Table 15'	446.25	11843
Shuttle Table 10'	159.75	4058	Shuttle Table 20'	594.25	15094
			Shuttle Table 25'	722.25	18345

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