

MACTECH

CASE STUDY

PROJECT: US BANK STADIUM DOOR PEDESTALS

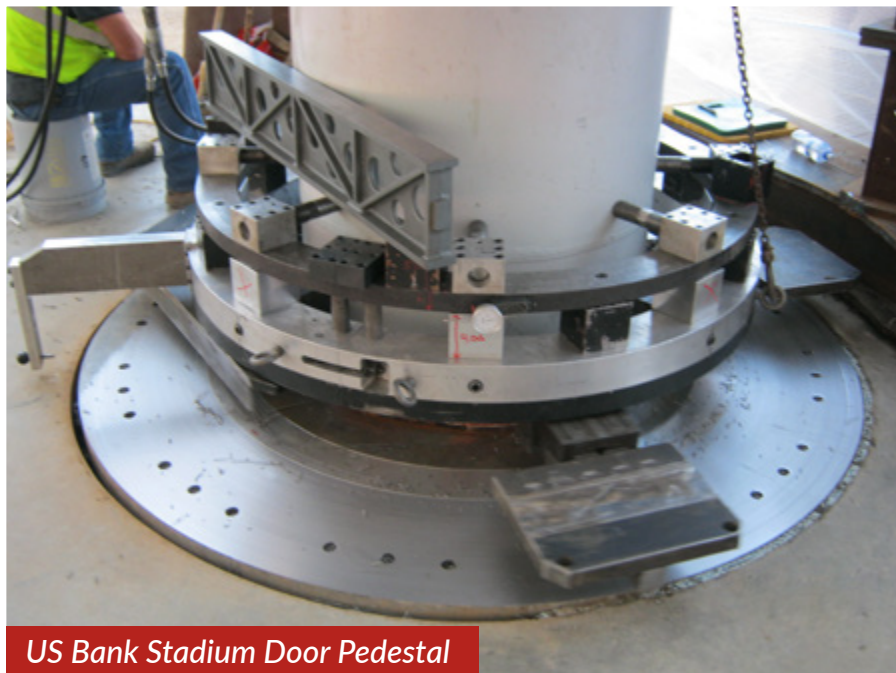
The Minnesota Vikings have to notify the NFL at least 90 minutes before game time if the doors to the new U.S. Bank Stadium will be open or closed during the game. That is a little less time than a recent contractor gave Mactech for a critical machining project on the door assemblies at the new stadium, but not by much.

MACTECH'S VALUE ADDED TO THE PROJECT:

Mactech received an inquiry that the main pedestal areas where the bearings for the doors fastened needed to be machined in-place. With a large construction job underway, and no time to waste before the season started, time was of the essence. With a 30" pillar located in the center of the area in question, the surface to be machined was from 40" diameter out to 80" diameter. Mactech was on-site the next morning to walk it down and review the technical details of the project. There was an upper and a lower surface for the five doors of the stadium, making ten total areas. Tolerances were tight as they didn't want to have to shim the bearings in any way upon installation.

EQUIPMENT USED:

- Two 48" Clamshell Lathes



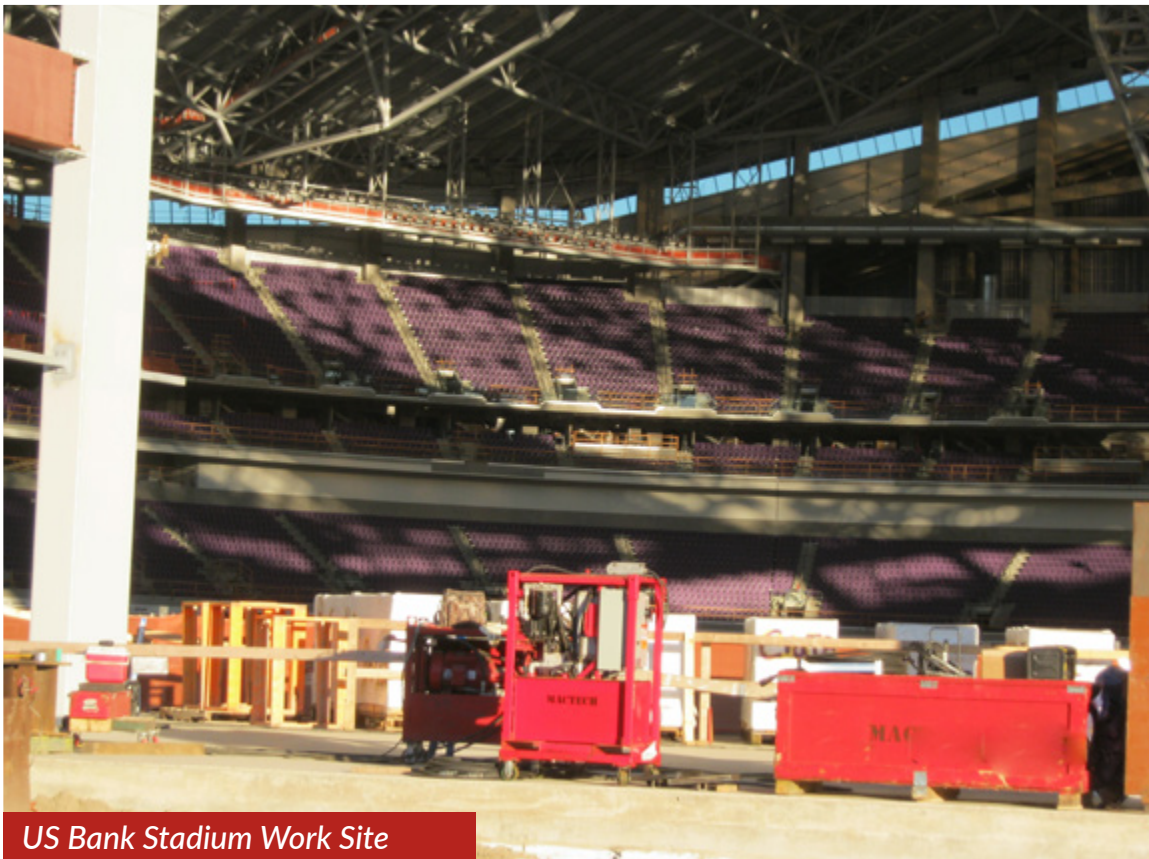
US Bank Stadium Door Pedestal

STEPS TAKEN TO COMPLETE JOB:

In short order, two 48" clamshell lathes were outfitted with reinforcing back plates, dual-set locators for fastening and adjusting the machine, and extended reach and travel single point slides. All ten surfaces were completed on schedule with a surface finish better than 125rms and flatness of less than .005" TIR or better on all surfaces.

RESULTS:

Mactech's precision field machining work will ensure that Viking's fans don't "blow the doors off" the stadium when they are cheering their team to victory. Here's to a great football season ahead. Skol Vikings!



US Bank Stadium Work Site

MACTECH

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Mactech is the leading global provider of machining tools, technologies and on-site & off-shore solutions for the industrial machining industry.



EXCEPTIONAL PEOPLE AND EQUIPMENT



PASSIONATE CUSTOMER COMMITMENT



EXPERTISE FROM EXPERIENCE

RENT FROM MACTECH



COST EFFECTIVE

Renting is less capital intensive than a full product purchase



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Your team gets a chance to handle the equipment before making a purchase decision



FLEET MAINTENANCE

Access to a fleet of products that are maintained and ready to go

WE HAVE AN EXTENSIVE FLEET OF RENTAL MACHINES AVAILABLE:

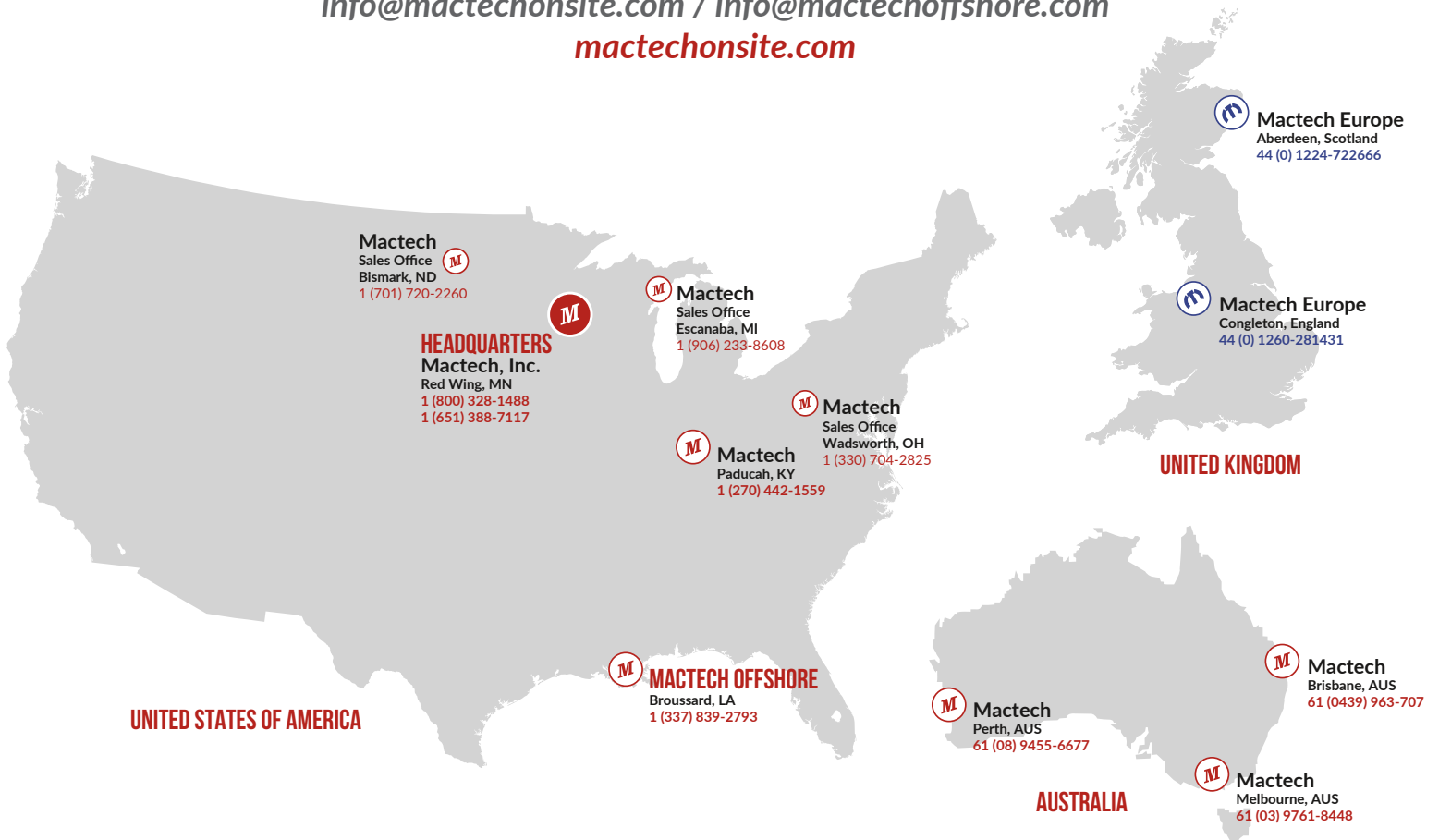
- ▶ 200+ Clamshell pipe cutting machines 2"-110"
- ▶ 40+ Diamond Wire Saws
- ▶ 100+ Portable Drills - up to morse #5 taper
- ▶ 25+ Flange facing machines 1" - 240"
- ▶ 10 Shaft lathes 1"-24"
- ▶ 30+ Line boring machines 3/4" - 10" diameter
- ▶ 50+ Portable milling machines - XYZ, gantry, boring

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CASE STUDY

MACTECH LOCATIONS

For more information on contacting you nearest sales or rental agent, contact us at:
info@mactechonsite.com / info@mactechoffshore.com
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