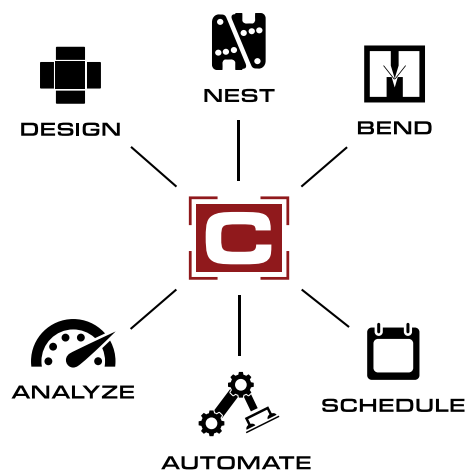


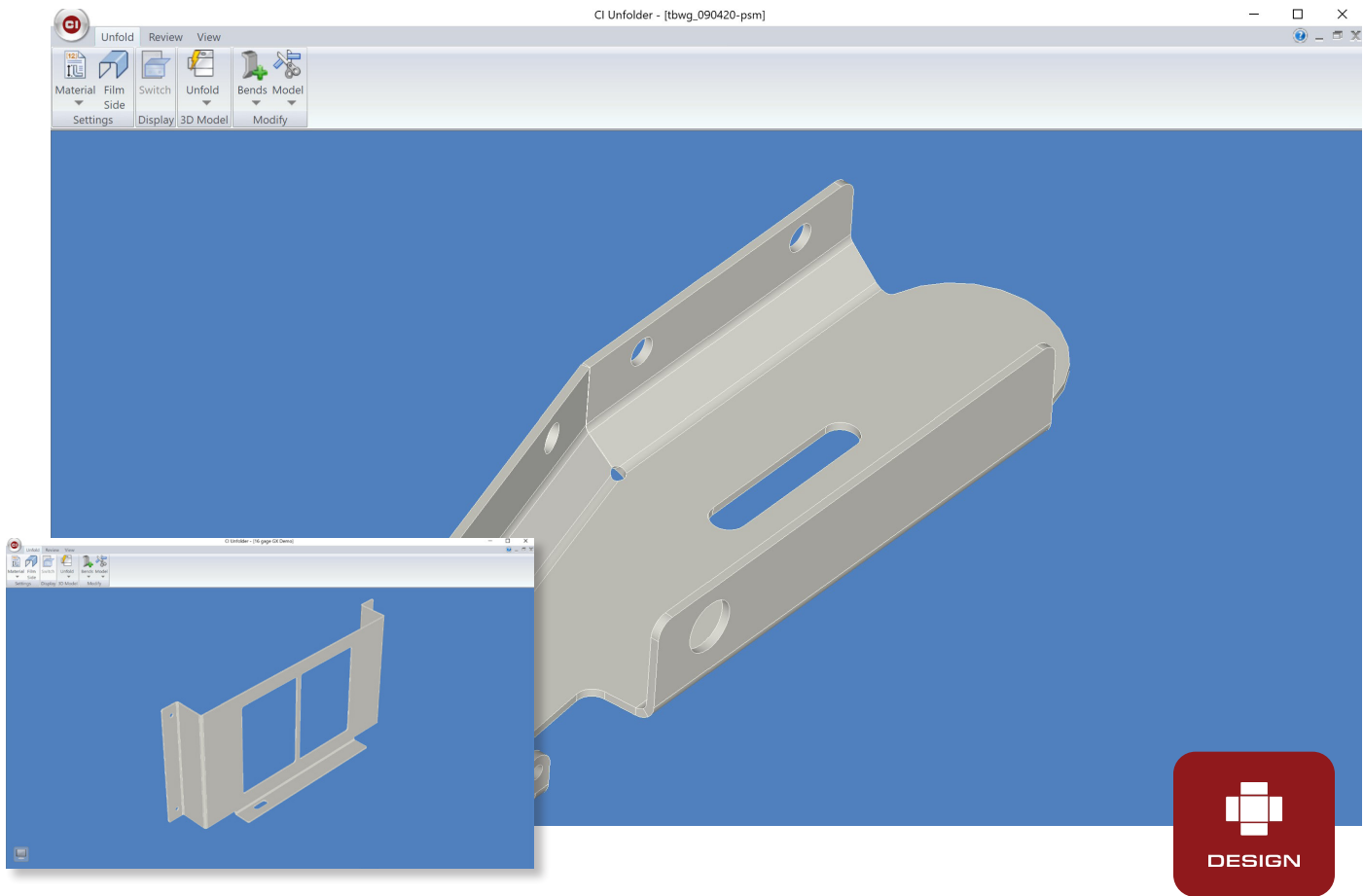
CININNATI®



ENCOMPASS

Manage your operation with greater speed, accuracy and quality



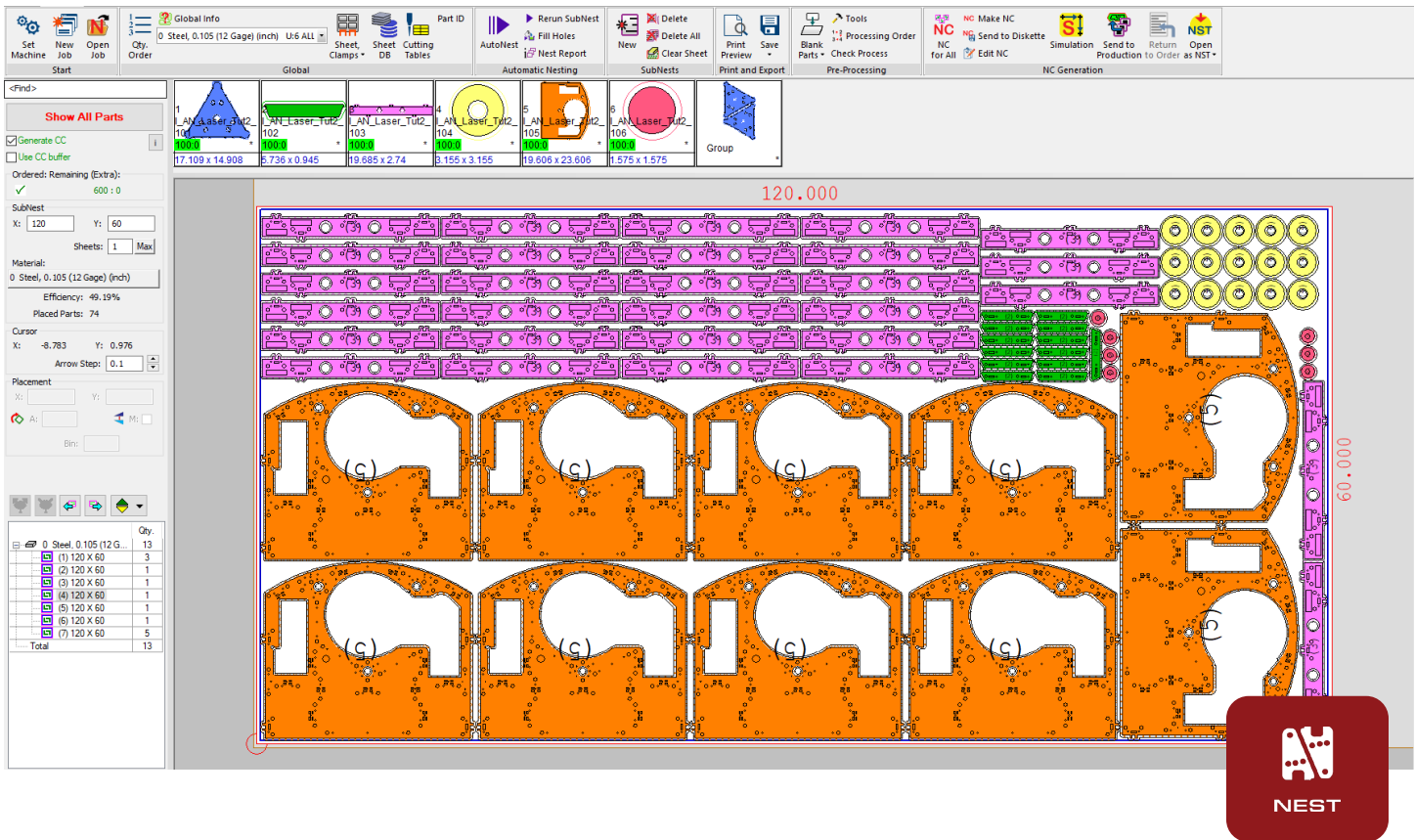


Smart and Highly Optimized Algorithm

UNFOLDER provides the capability to import standard 3D solid models as well as most native solid model formats (for complete list: www.autopol.com/translators). UNFOLDER is launched seamlessly within the Bendsim or Laser Nesting applications. The output is a re-sized DXF flat that is passed internally back to the Bendsim or Laser Nesting software (not PRO versions) for use in those applications.

KEY FEATURES

- ❑ Unfolds 3D solid model to flat pattern with bend lines
- ❑ When internally sent to the Laser Programming and Nesting Software (not Nesting PRO), the flat file bend lines are removed, allowing instant population of the Drawing Convert (to *.prt file) Screen and *.prt file edit screens of laser programming
- ❑ Your choice of forming tools will apply an updated bending radius to the unfolded blank calculation
- ❑ When internally sent to the BendSim Software (not BendSim PRO), the flat file is re-folded as a 3D *.part file, thus allowing population of the Part Edit Screen to begin the 3D bending simulation and graphical press brake programming process
- ❑ Automatic K-Factor application in unfolding process
- ❑ Actual bending radius resulting from the tooling choice is used by Unfolder to yield the correct blank size every time
- ❑ Simple output of dimensioned flat to printer for shop floor use
- ❑ Product Manual and Online Tutorials included

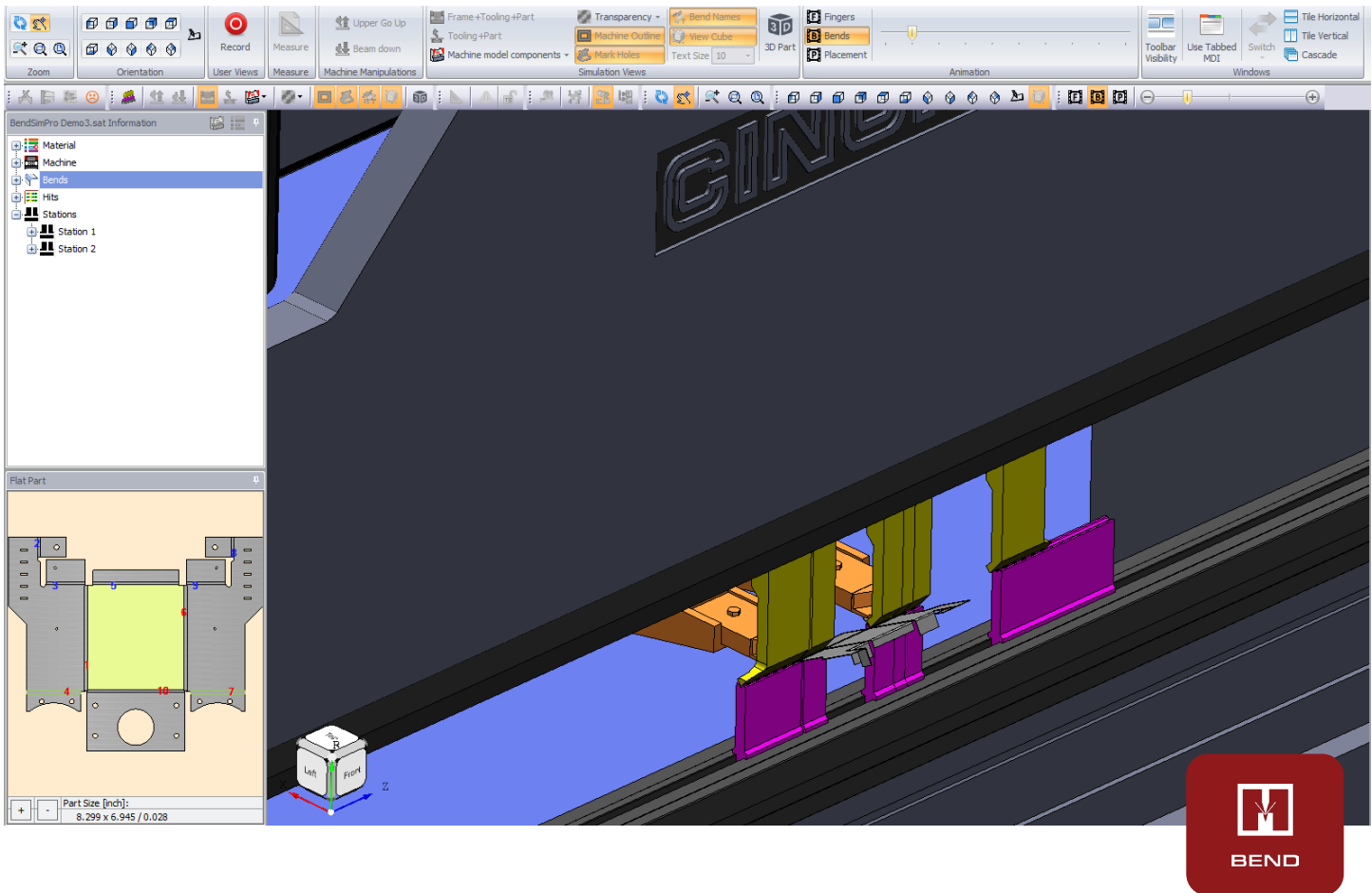


You Can Do So Much More

Nesting PRO provides the supercharged ability to nest your laser parts with software automation, and to create optimized machine code to make your Cincinnati laser (and most other lasers) operate at top performance. Convert flat files and 3D models individually or with batch automation. Library your converted files for efficient nested programs that are created either via manual entry or automatically from prepared text file instructions. Optional interfaces are available with most ERP systems (inquire about availability).

KEY FEATURES

- ❑ 3D file import (SLDPRT, STEP, SAT, IGS, X_T) and Flat file import (DXF, DWG)
- ❑ 2D CAD flat creation and editing
- ❑ Built-in Unfolder capability
- ❑ Automatic true shape part nesting for optimal material utilization
- ❑ Selectable time limitation for nesting
- ❑ Advanced common line cutting
- ❑ Fly cutting routines
- ❑ Rules-based tabbing
- ❑ Rules-based slug destroy
- ❑ Basic material inventory management
- ❑ Estimating and Quoting Package
- ❑ Creates tasks for laser automation (CI March System)

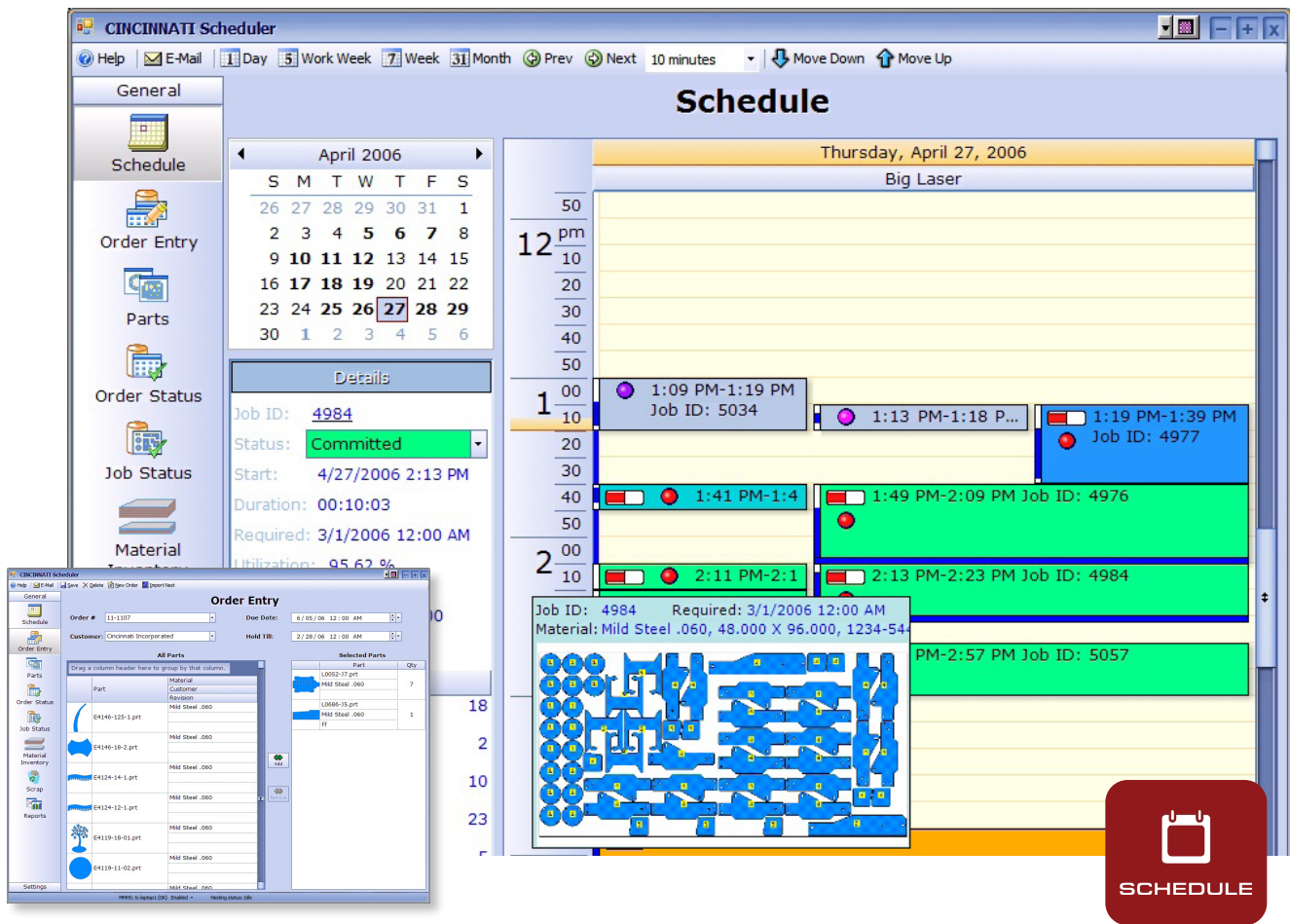


Multiply Your Programming Output Without Hiring More Personnel

BendSim PRO provides the ability to simulate your press brake forming operation offline—in a virtual environment that matches your specific press brake configuration. Plan and simulate the forming of your parts without disrupting the productivity of your CI PC Control press brake(s). Choose the best simulation and automatically generate the best program for use on the shop floor. Only one program for each part means less variance and better quality—the essence of Standardized Workflow. If desired, networked machines can call certified programs from a network storage folder—complete with graphic simulation of the forming operation.

KEY FEATURES

- ❑ 3D file import (SLDPRT, STEP, SAT, IGS, X_T) and Flat file import (DXF, DWG)
- ❑ 2D CAD flat creation and editing
- ❑ Built-in Unfolder capability
- ❑ Automated tooling choice and station placement in simulation
- ❑ Simulate forming of the 3D part with advanced capabilities (heel-end interference, part passing through tool opening, all in one hemming tools)
- ❑ Click and drag finger movement
- ❑ Set up sheets with “turn by turn” graphics
- ❑ Proceed to create the program automatically for your chosen/preferred simulation
- ❑ Automated batch processing of solids or “smart flats”



SCHEDULER

Take The Stress Out Of Scheduling Jobs

Scheduler provides the ability to enter production laser orders. Parts need not be sorted by material, process or thickness. Nests are automatically created and scheduled to accomplish delivery by the necessary due dates. Parts are efficiently nested, using Cincinnati's Laser Nesting (not Nesting PRO). A convenient user interface at the laser shows the laser operator a work list, nest patterns, and material needed. Finally, the laser interface reports back finished process information to update the schedule and material inventory.

KEY FEATURES

- ❑ Schedule laser parts for one or more Cincinnati lasers
- ❑ Manual order input by order number, part quantities, customer, due date, start after date
- ❑ Automated order input by prepared text file
- ❑ Nests are automatically prepared to meet minimum utilization
- ❑ Jobs are scheduled by due date according to available laser capacity
- ❑ Future parts brought forward to automatically fill under-utilized nests
- ❑ Scheduler Client on PC laser control indicates cutting schedule and reports finished results back to the master scheduler
- ❑ Material inventory maintained
- ❑ Automatic task creation for laser automation (CI March system)

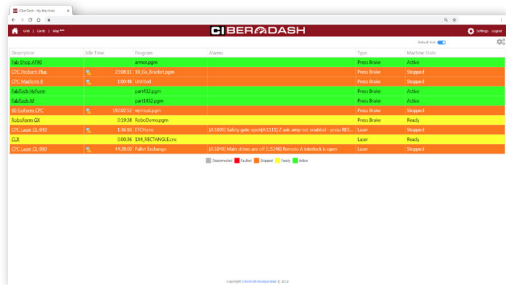
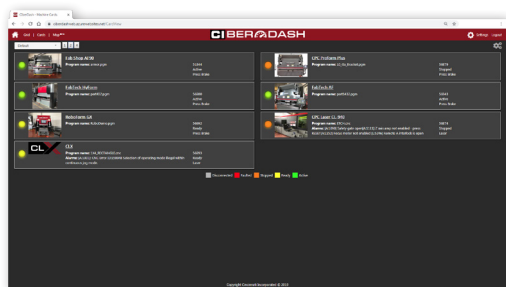
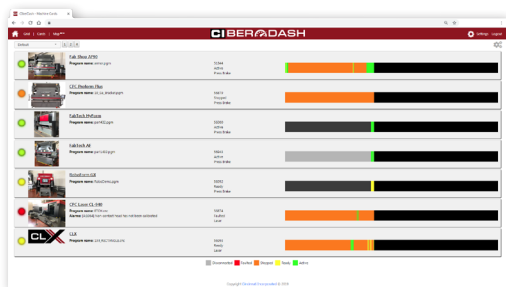


Machine Status In Real Time Anywhere From Any Device!

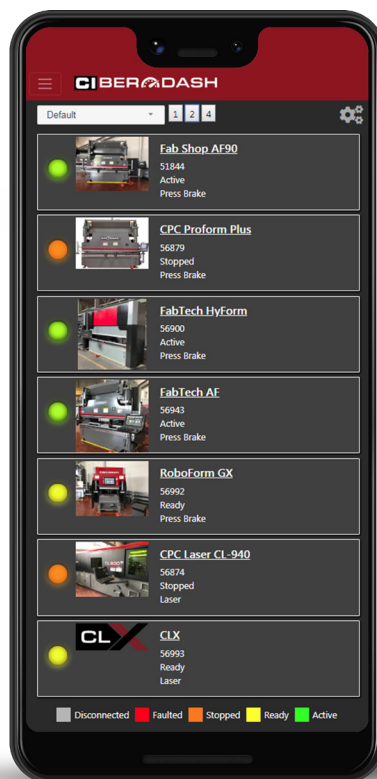
CiberDash provides data collection and remote monitoring of CI press brakes, shears, and lasers equipped with PC controls. Options are available depending on preferred connection method.

CIBERDASH WEB

From each CI Machine with PC controls, the installed CiberLink application transmits data to the cloud so machines at multiple locations can be monitored on a common dashboard. Log in to CiberDash Web on a laptop or other smart device to monitor current machine performance or to receive data for your analysis.



↑ View the status of your machines in single lines, card or grid views in either a dark or light theme.



Use Chrome, Safari, Firefox, or another browser on your phone to view Mobile-ready data.

NOTIFICATIONS

Get notified! CiberDash has built-in notifications that will notify you if your machine goes offline, when it hits errors, and much more! You can customize the notifications to send only during your shift or when an issue happens multiple times. This is a must-have for Shop Managers and Maintenance personnel.

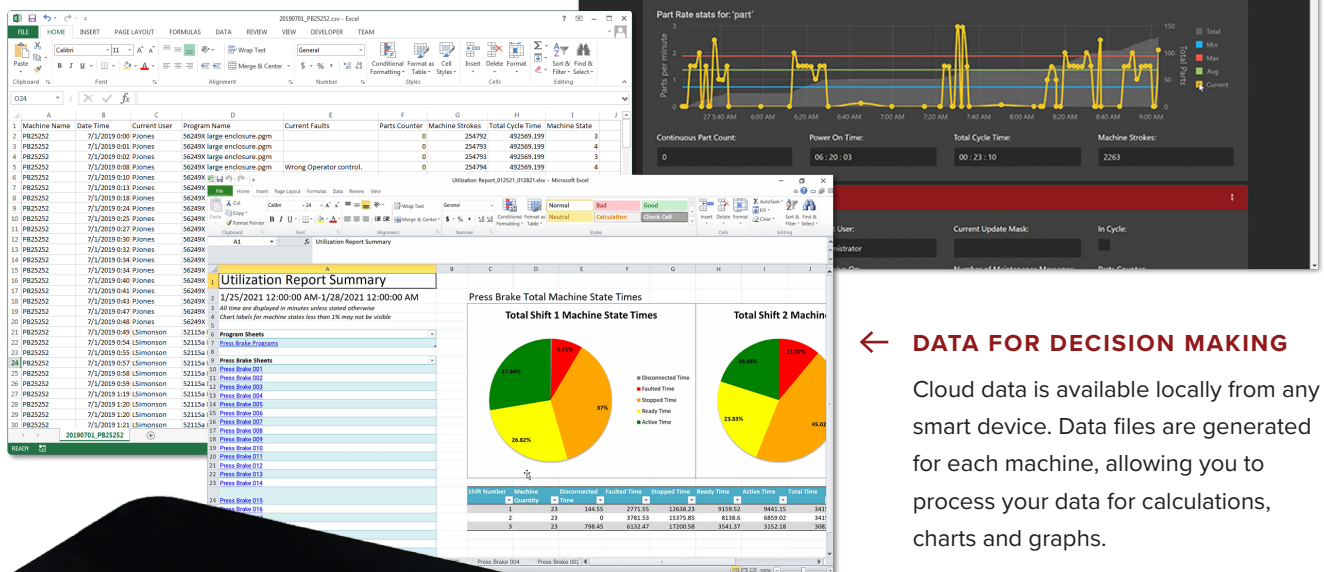


KEY FEATURES

- ❑ CiberLink Cloud application for each CI machine with a PC control
- ❑ Installation assistance for one press brake and one laser via TeamViewer
- ❑ Account setup for protected password access to CiberDash dashboard and data access from PC or other smart device with internet access
- ❑ Email notifications (SMS notifications available for most major telecom providers)
- ❑ Dashboard and data access from PC or other smart device with internet access
- ❑ Single Machine Views that show an enhanced look at current press brake performance
- ❑ Single Machine Views that show an enhanced view of laser performance
- ❑ Fault History shows error codes and alarms by selectable date range
- ❑ Configurable data reporting and download

DETAIL PAGES →

Get the specifics on any of your machines by using the Details pages



← DATA FOR DECISION MAKING

Cloud data is available locally from any smart device. Data files are generated for each machine, allowing you to process your data for calculations, charts and graphs.

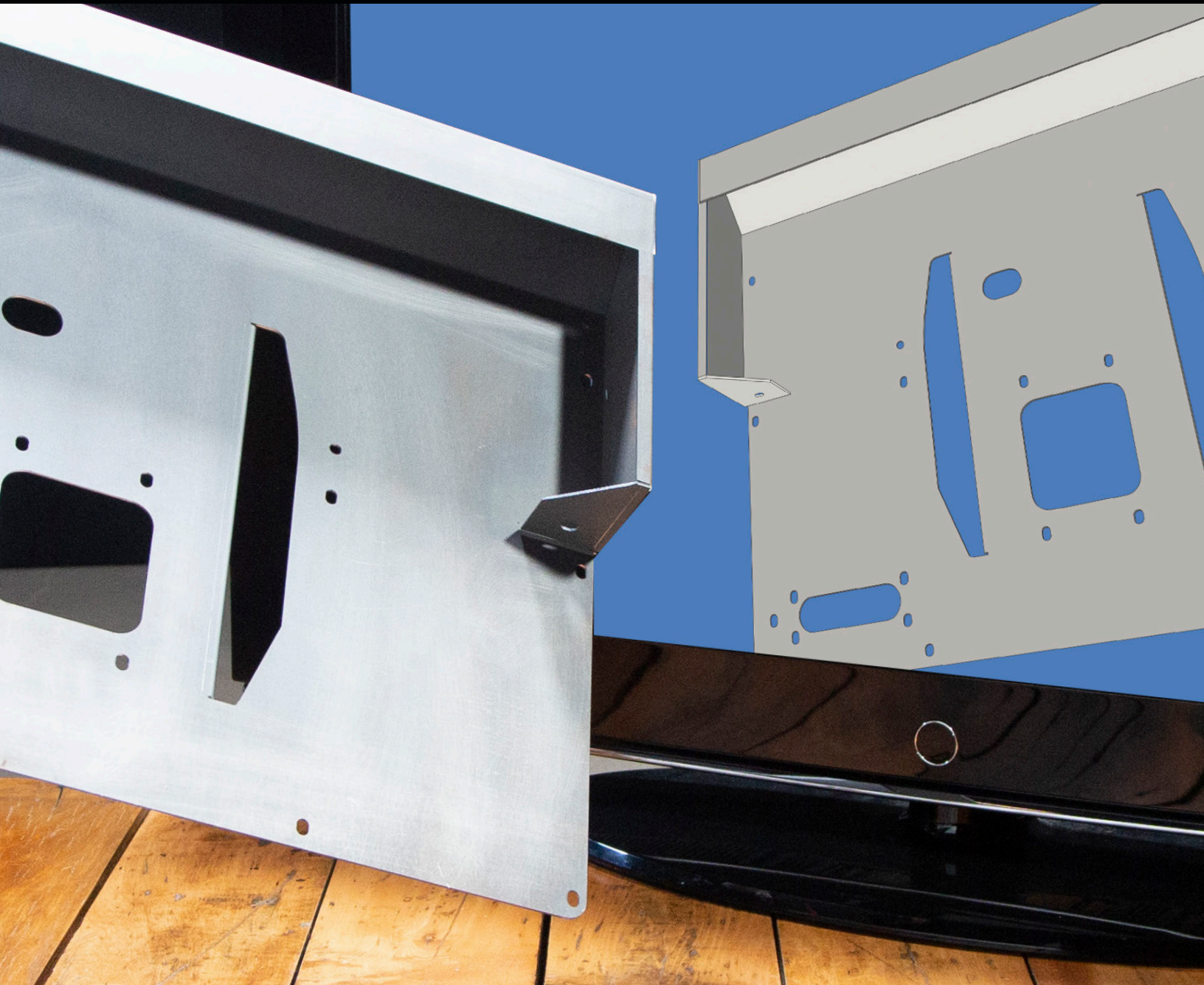
← DISPLAY MACHINE DATA ON ANY MONITOR

CiberCast is a low cost, low maintenance, dedicated device that provides an easy and inexpensive way to display your machine data on video monitors located throughout your manufacturing facility.



CINCINNATI[®]

MACHINES FOR THOSE WHO TAKE PRIDE IN WHAT THEY MAKE.



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