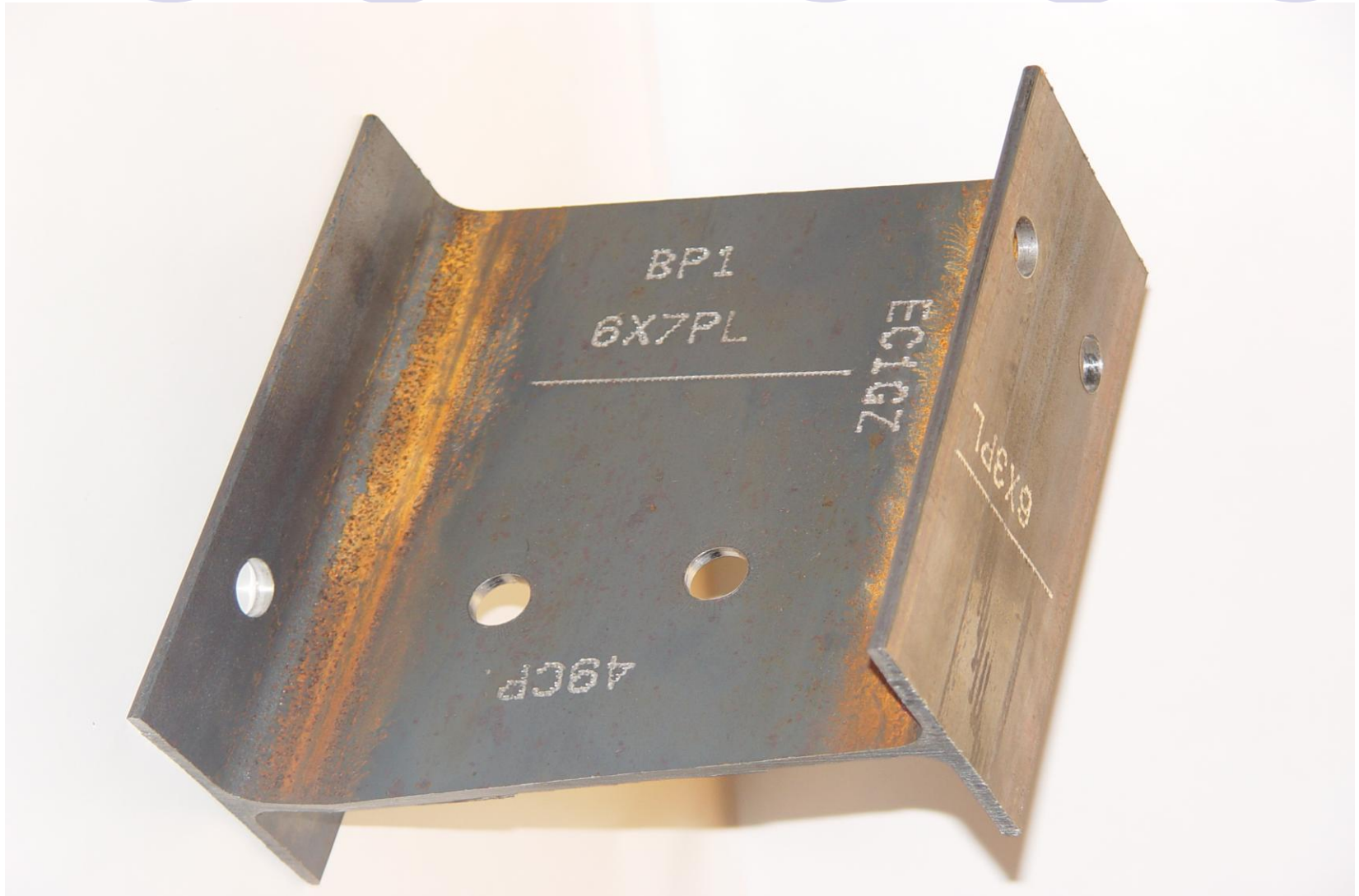
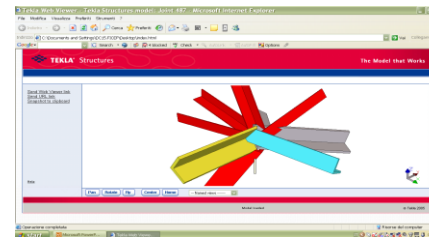
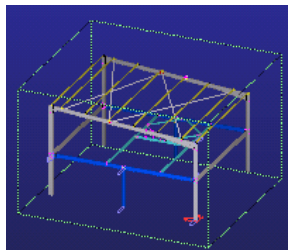
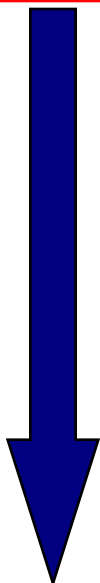


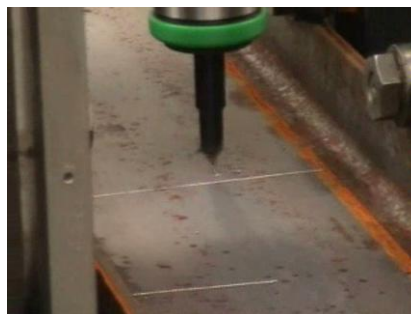
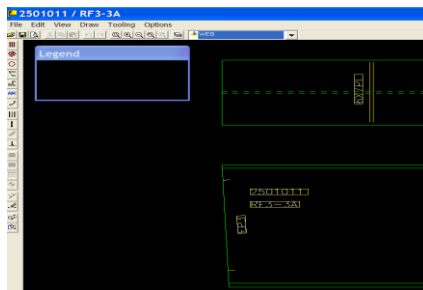
SCRIBING TECHNOLOGY



How It Works !



- Open a Telka 3-D Model
- Import to Steel Projects



- Download into a Ficep Drill line

Actual Case Study of a Ficep 1101 Rotating Head Single Spindle Drill/Saw System

■ Realized Benefits

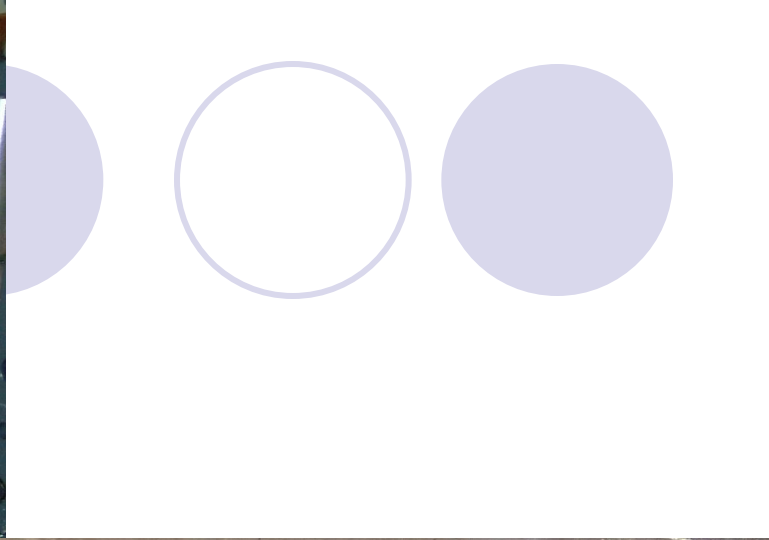
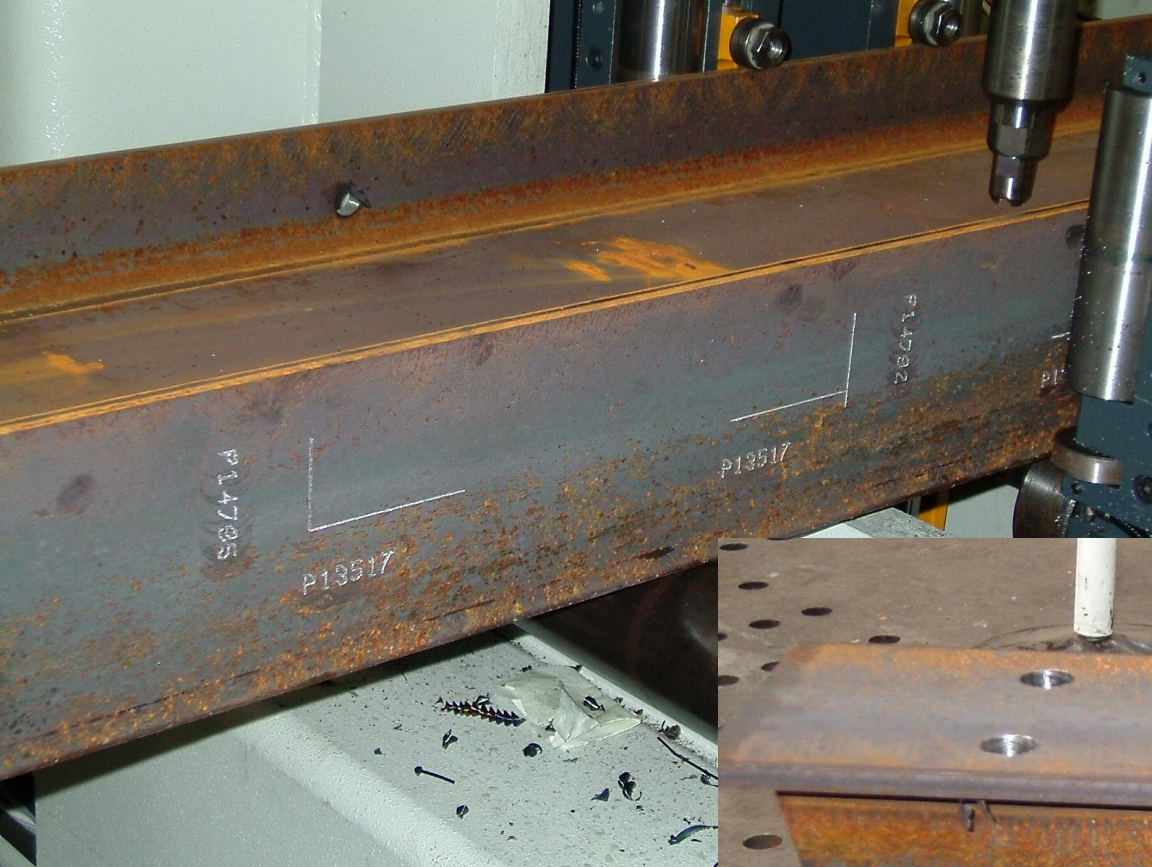
Number of pieces drilled and scribed with all fitting and welding data	90 - 100 pieces in 9 hour shift
Reduction in fitting labor	50%
Reduction in field errors	30%
Scrap reduction with Ficep nesting program	Reduced from 14% to 4.5%



**ACCURATE
MEASURING**

FAST ROLLER VICE

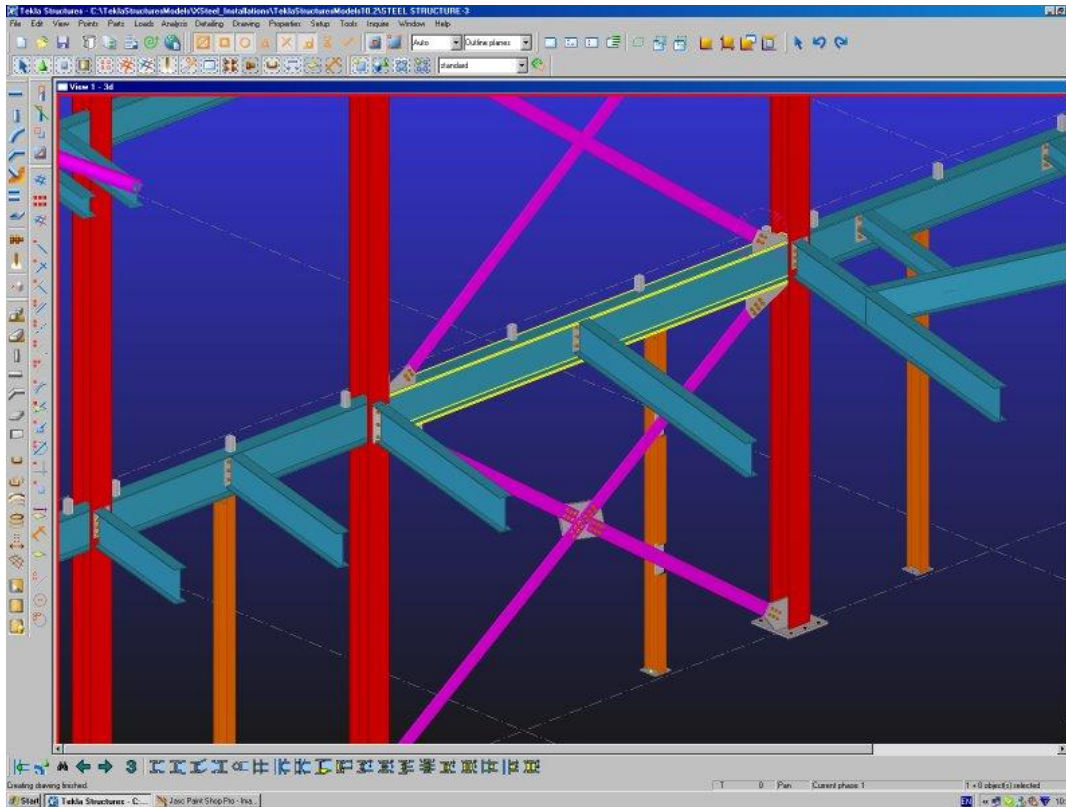
FICEP PROBING SYSTEM



Tekla Structures V12.0



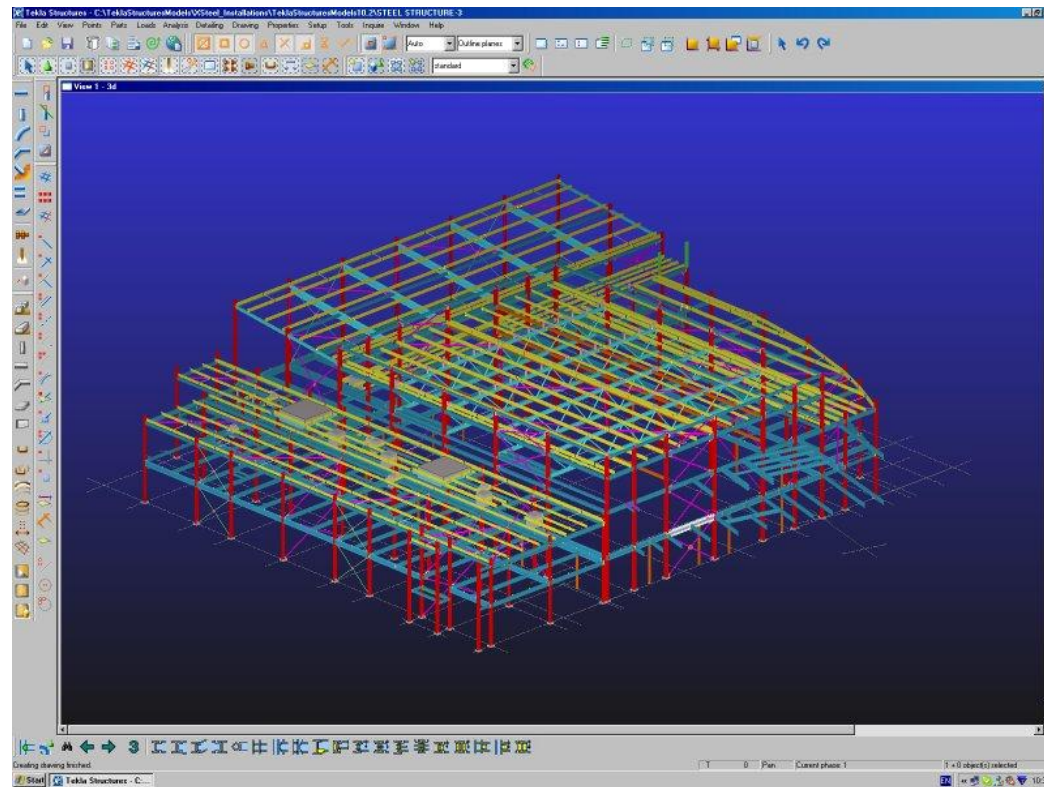
- There are no changes to the way things are created



Download to WinSteel - Step One



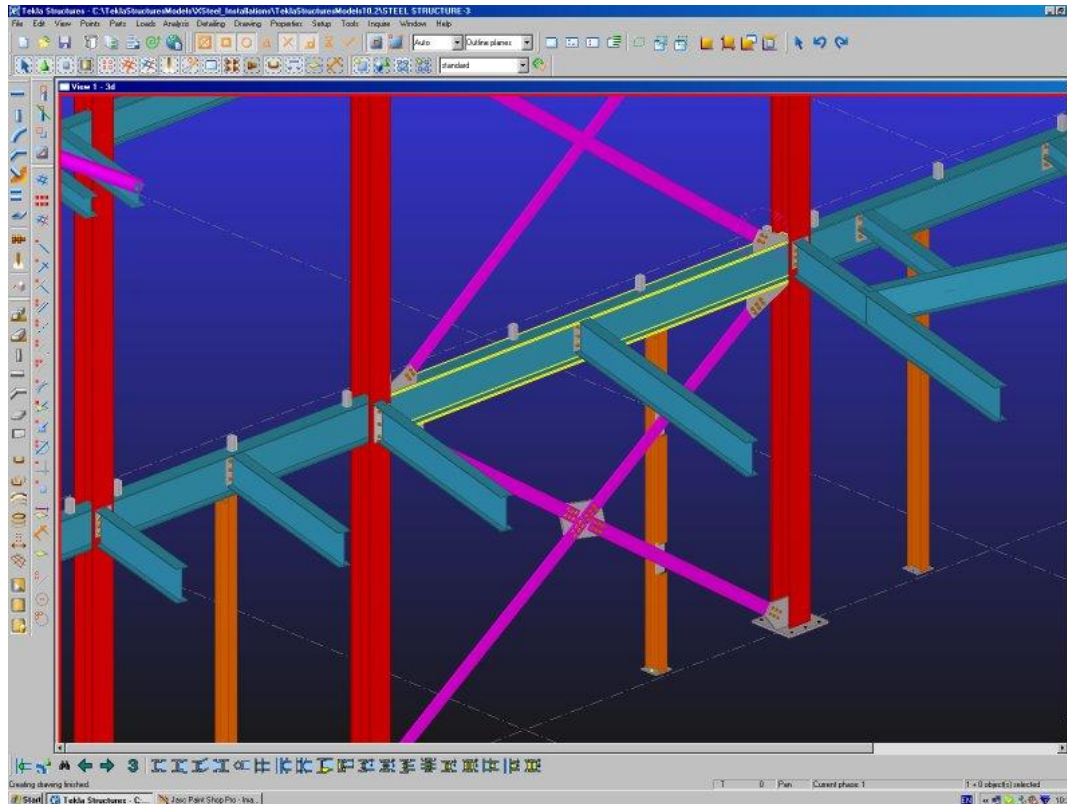
- Open the Tekla Structures model



Download to WinSteel - Step Two



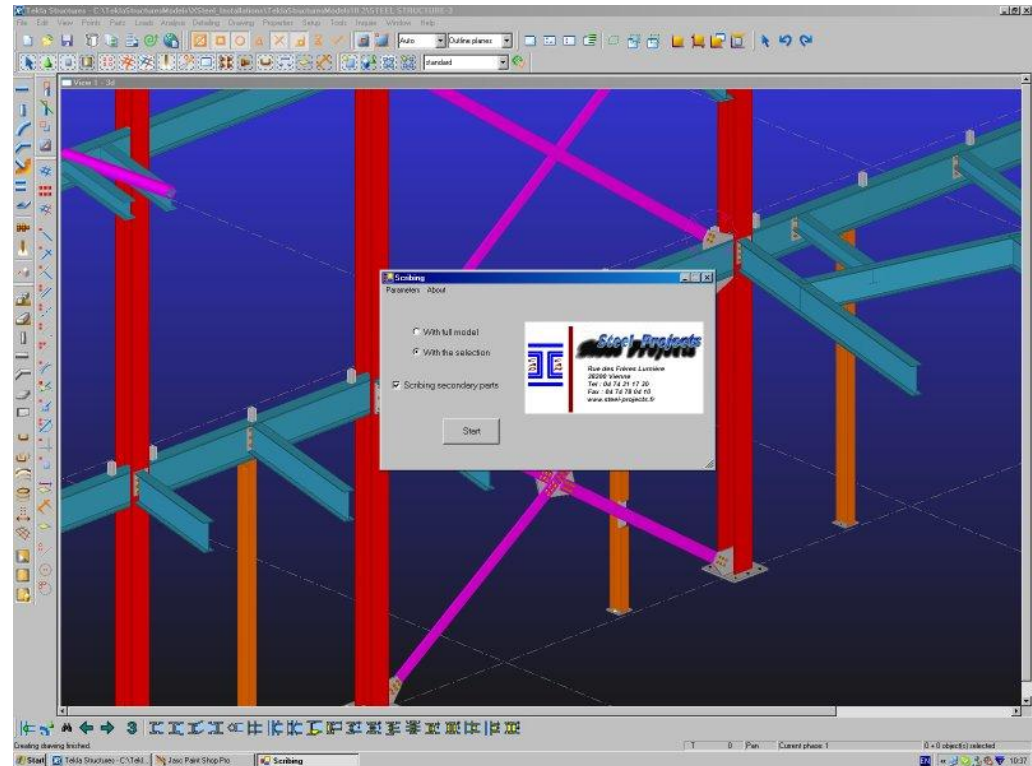
- Download the whole structure by phase or by selection



Download to WinSteel - Step Three



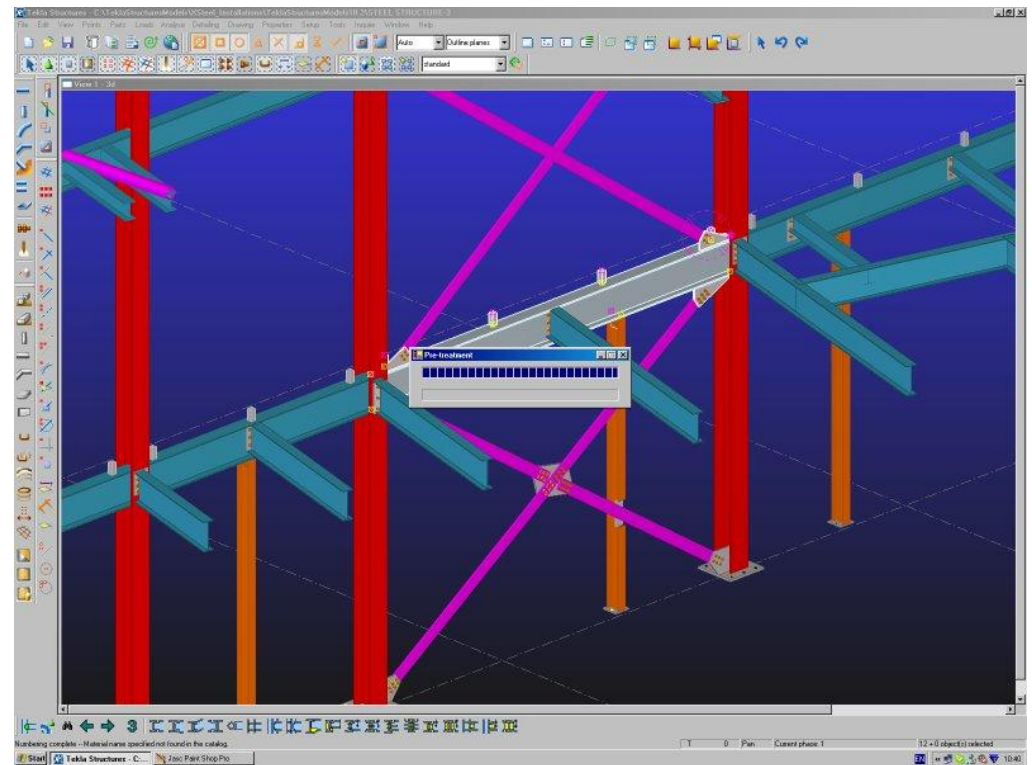
- Start the Tekla / Steel Projects post processor



Download to WinSteel - Step Four

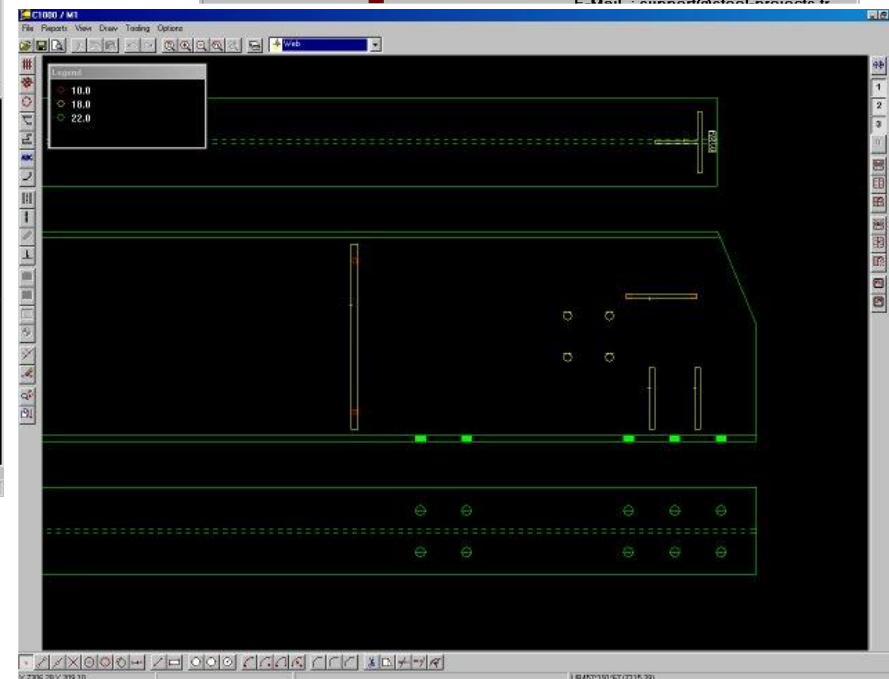
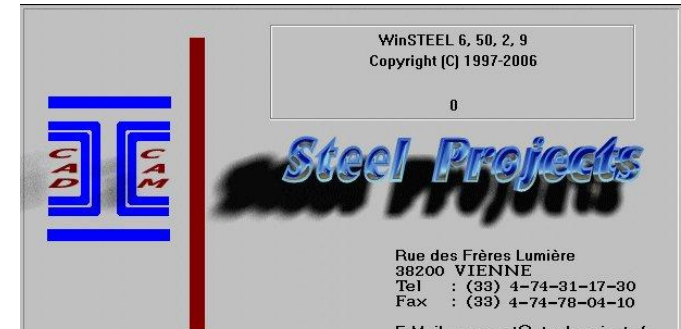
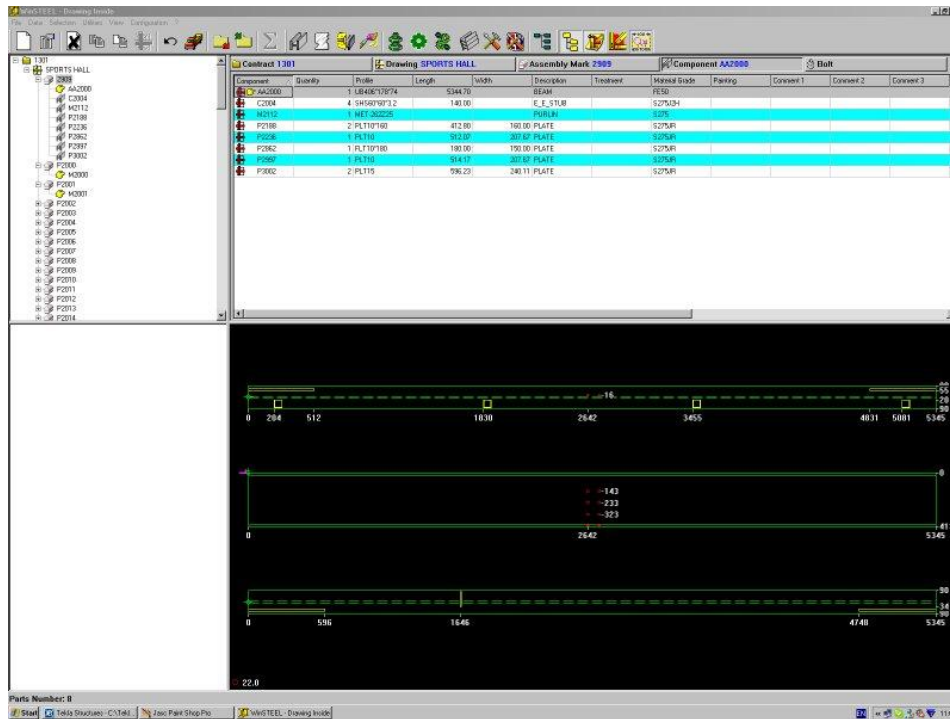


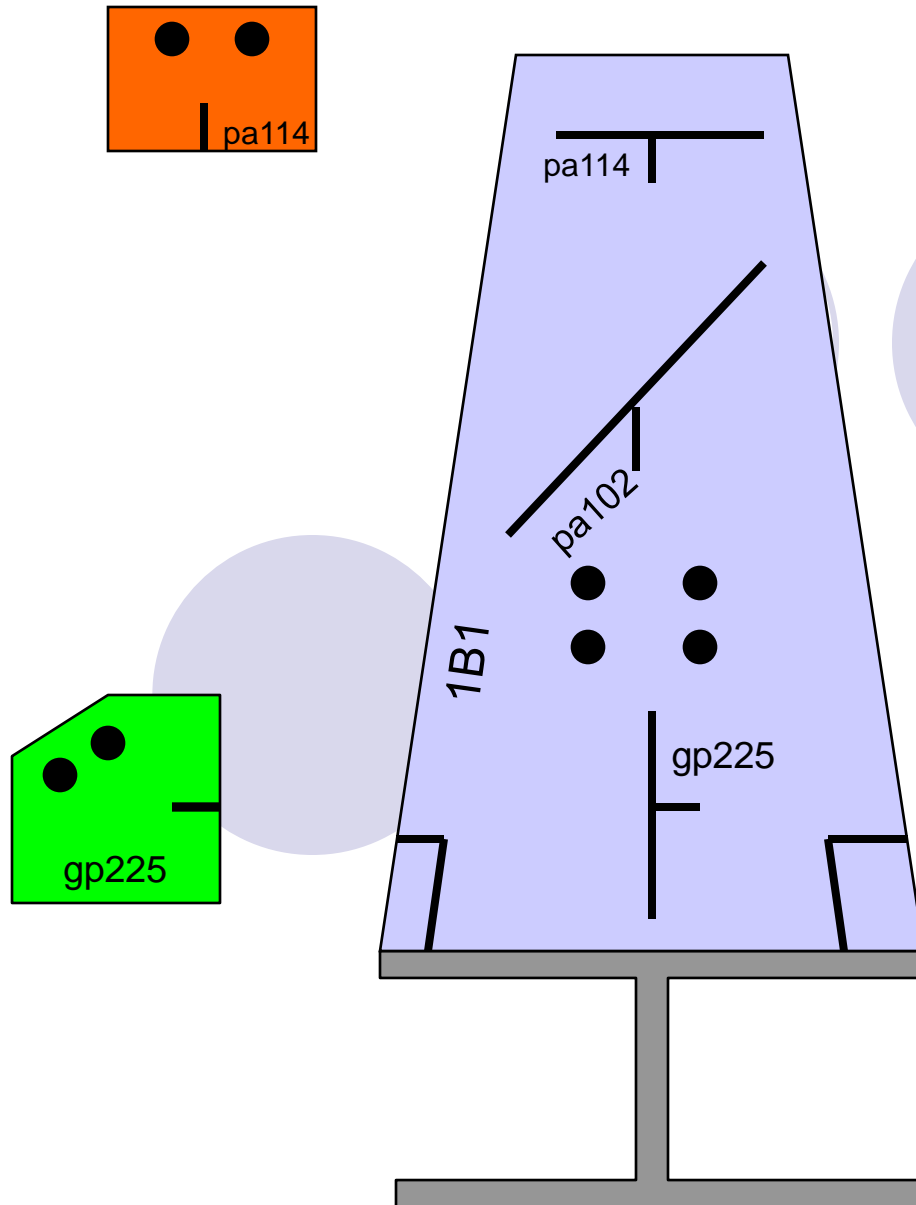
- Download begins all of the CNC including stamping, cutting, coping, drilling, sawing and scribing is written at this time.



Download to WinSteel - Step Five

- Import File into WinSteel this controls the Ficep CNC machine

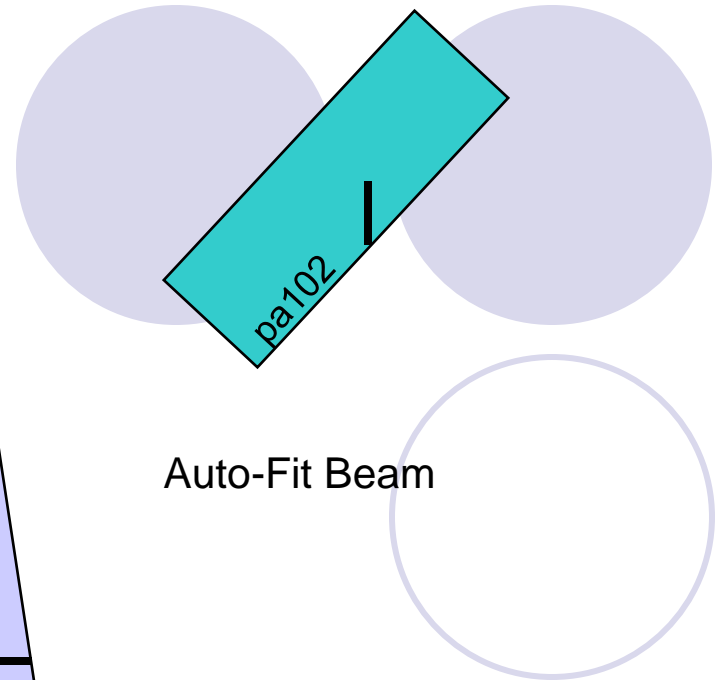
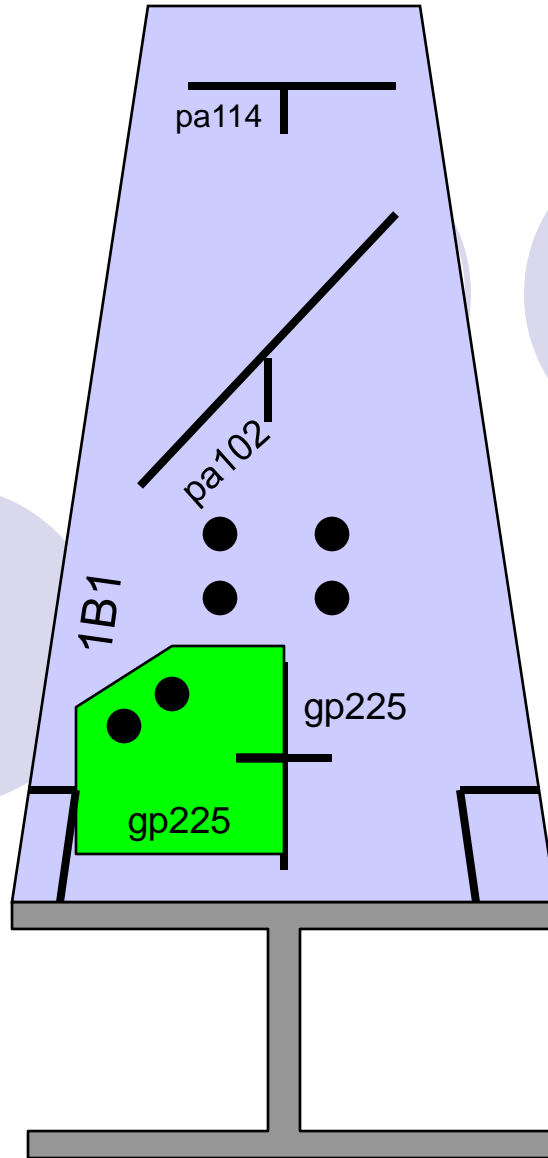
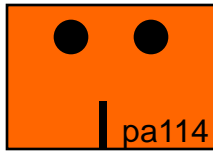


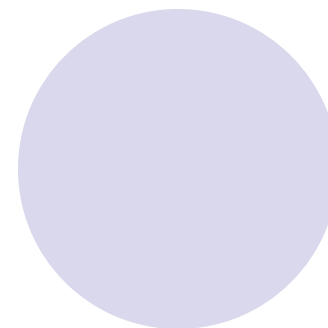
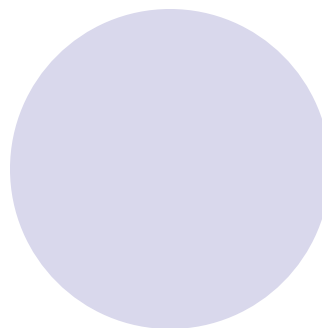
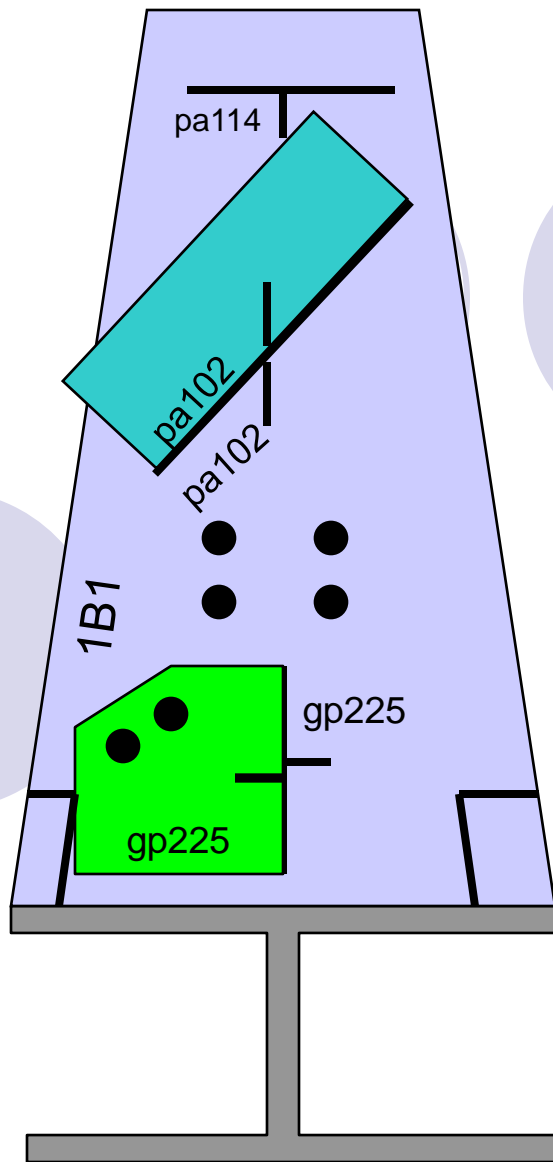
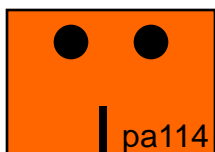


Auto-Fit Beam

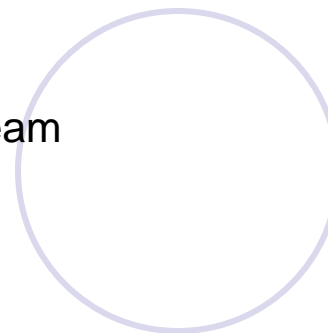
The Drill Line can scribe mark for plate weld lines, plate ID, burn lines, and holes. **ON ALL FOUR SIDES!**

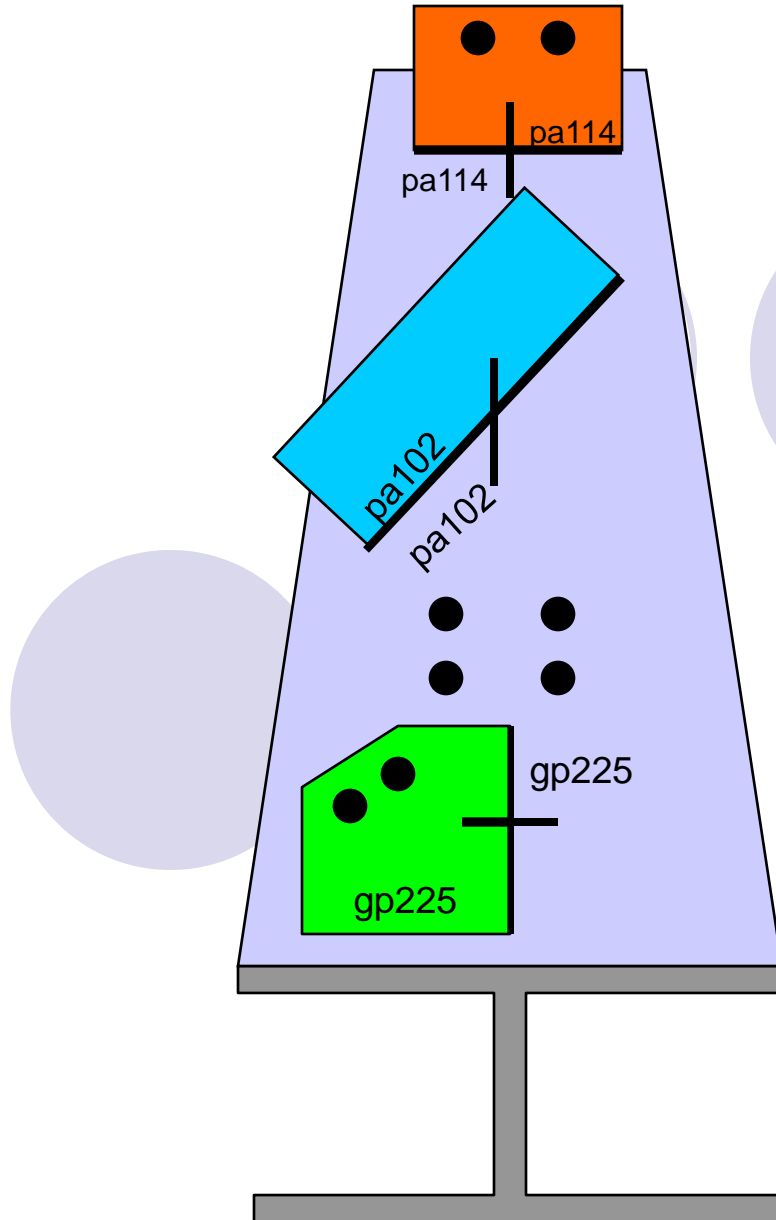
The Plate Processing line can make holes, plate ID, scribe lines, and burn shape.





Auto-Fit Beam





Auto-Fit Beam

Working Towards A
Paperless, Error Free Work
Shop

CONSIDERED PROFILE : UB 533 X 210 X 82

EXECUTION OF 2 PIECES OBTAINED FROM A RAW BAR:

TOTAL OPERATIONS TAKEN INTO CONSIDERATION (with Ficep Machine):

NO. 3 STRAIGHT CUTS WITH BAND SAW

NO. 12 HOLES DIAM. 22 ON THE FLANGES

NO. 28 HOLES DIAM. 20 ON THE WEB

TOTAL TIME REQUIRED TO PROCESS NO. 2 PIECES

9,3 MINUTES WITH INSERT DRILLS = 4.6 mins each

TRADITIONAL DRILLING AND SAWING :

11.4 min for D/S each

32 min for manual layout marking

Total 43.4 mins EACH

FICEP TIME

4.6 min for D/S each

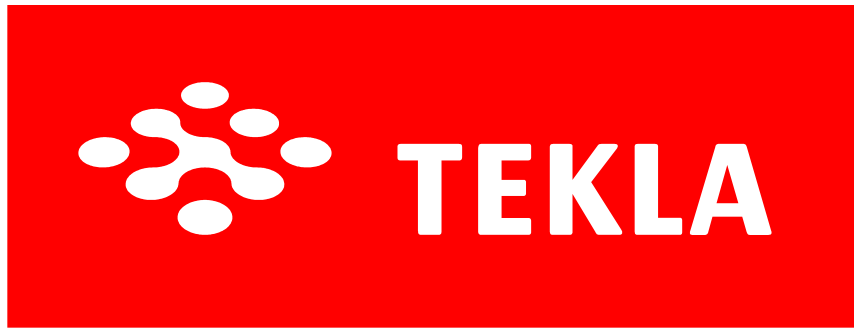
10 Mtrs of marking with Automatic line Scribing 5.5 mins

Ficep estimated

Total 10.1 mins EACH



cture



New Technology Systems

For Steel Construction Fabrication