

Olilo Engineering Services - Mechanical

SrinSoft Inc, Partners of

Autodesk
Authorized Developer

PTC[®]

SOLIDWORKS

Microsoft
CERTIFIED
Partner

About Us

- Engineering & IT Services Company
- ISO 9001:2008 Certified
- Head Quartered at Columbus, OH

Overview



- Manufacturing
- Automobile
- Architectural
- Packaging
- Machine Design

Industry



- Creo Automation
- AutoCAD/Inventor/Revit
- Creo
- Navisworks Application Development
- custom application for CAD software

Business software solutions



- Consultants globally
- Domain / Technology Expertise
- Dedicated R&D team

People

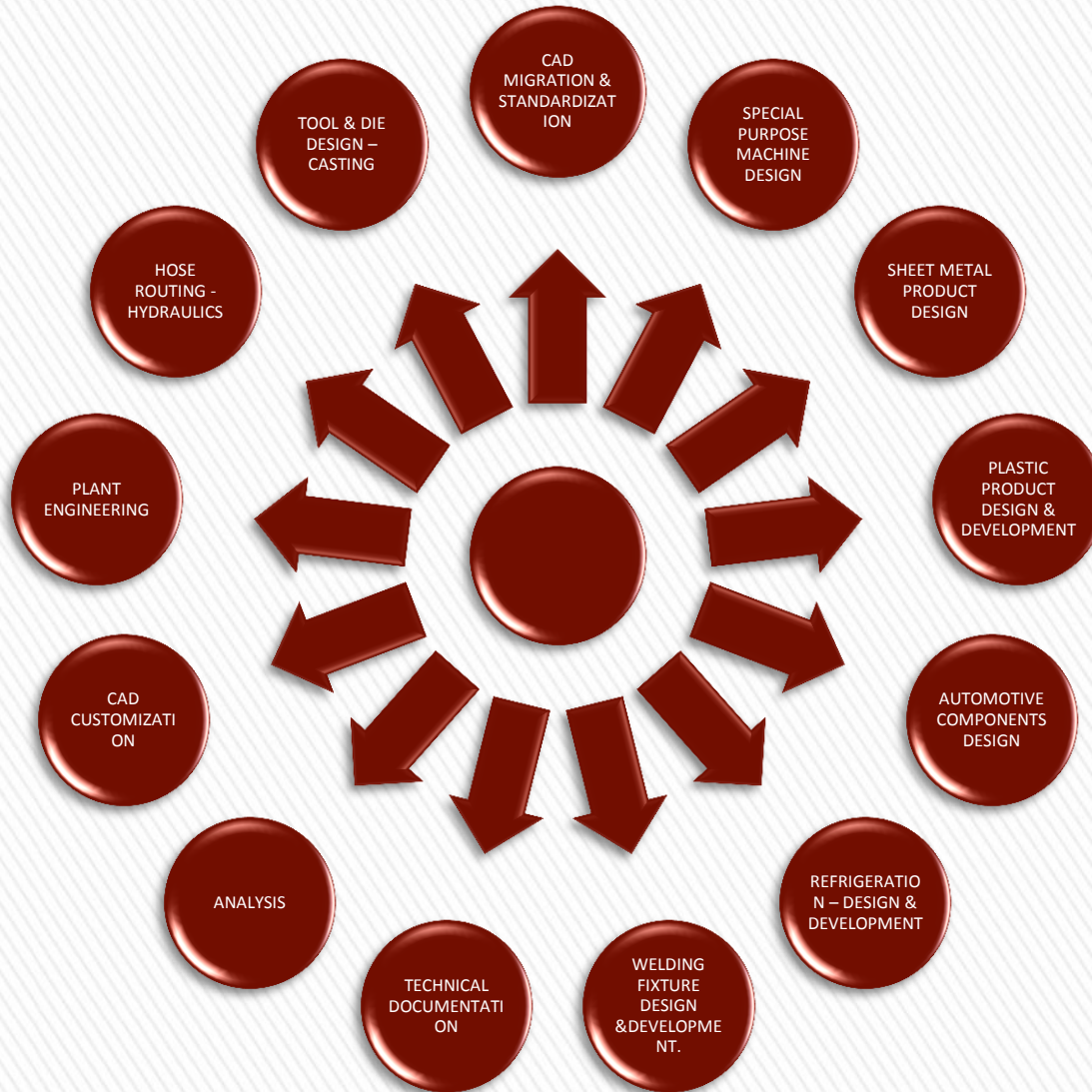


- Development
- Consulting
- Support

Services



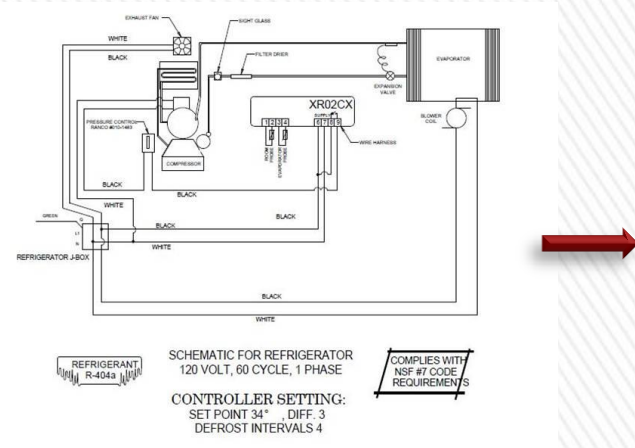
Olilo Engineering Expertise



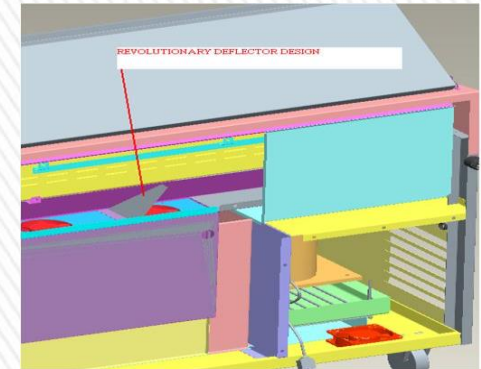
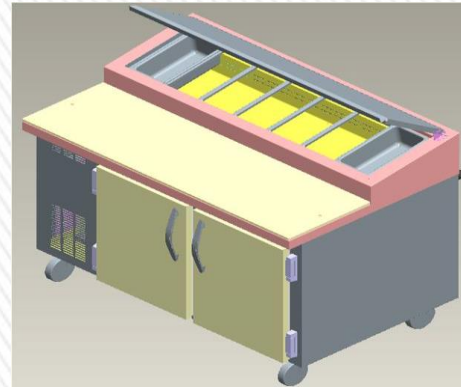
Design Services

Restaurant Equipment – Design & Development

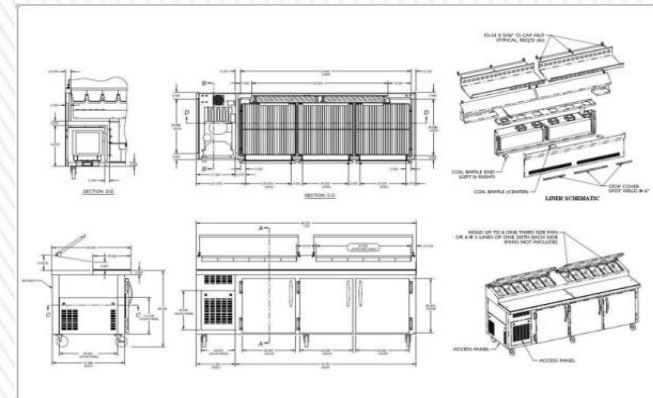
Working - Layout



Developed model

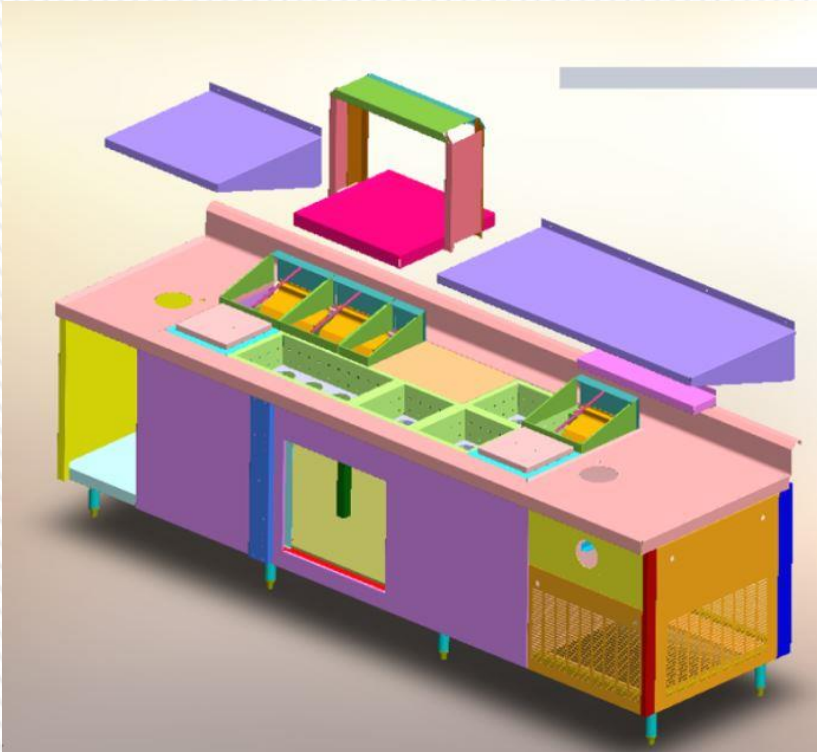
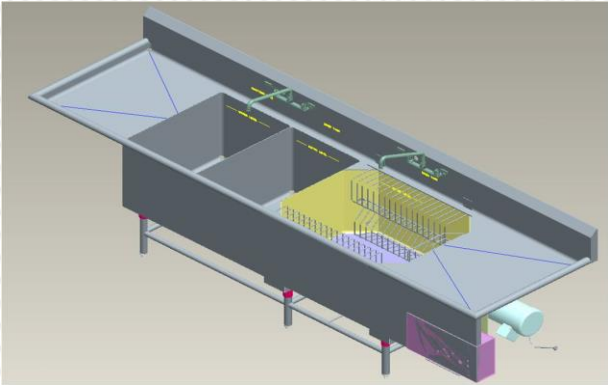


Real time product



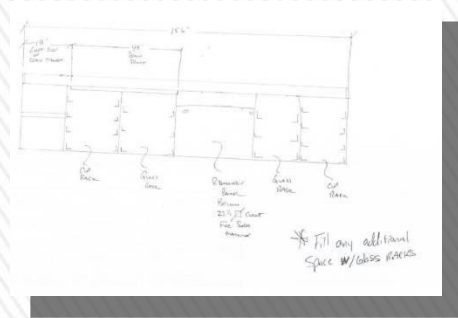
Manufacturing Information

Restaurant Equipment Design

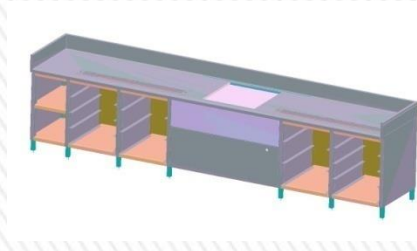


Product Design

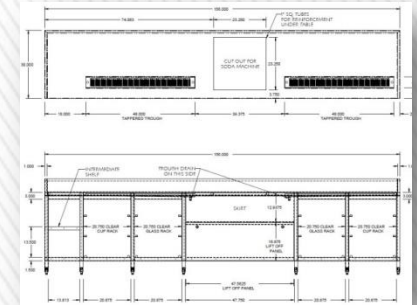
Hand sketch –Input



Proposed Concept



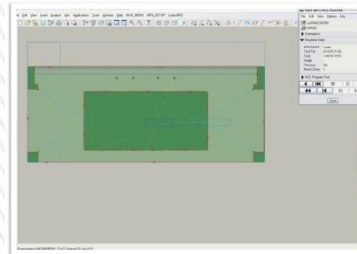
Manufacturing Detail



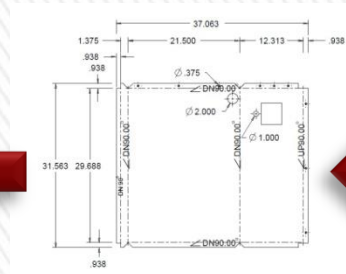
Final Product



NC Code Generation



Flat Drawings



Bill of Material

SHEET SHEET		PART DESCRIPTION	
NP	QTY	DESCRIPTION	QTY
1	9.375 X 19.375	= 14 GA 430SS	1 LEG CHANNEL
1	3.577 X 25.952	= 14 GA 430SS	1 LEG CHANNEL
1	3.500 X 21.500	= 14 GA 430SS	1 ANGLE
1	34.750 X 19.375	= 14 GA 430 SS	1 TOP
1	6.208 X 22.750	= 14 GA 430SS	1 BODY FRONT
1	31.563 X 28.750	= 18 GA 430 SS	1 BODY
1	31.563 X 37.063	= 18 GA 430SS	1 BODY
1	31.563 X 52.250	= 18 GA 430SS	1 BODY
1	27.287 X 22.250	= 18 GA 430SS	1 REMOVABLE DOOR
1	23.688 X 15.125	= 18 GA 430SS	1 BOTTOM SHELF
1	23.375 X 14.500	= 18 GA 430SS	1 ADJUSTABLE SHELF
1	3.688 X 11.250	= 18 GA 430SS	1 BODY FRONT
2	3.750 X 29.563	= 20 GA 430SS	2 ENCLOSURE STYLE
2	2.937 X 29.563	= 20 GA 430SS	2 ENCLOSURE STYLE

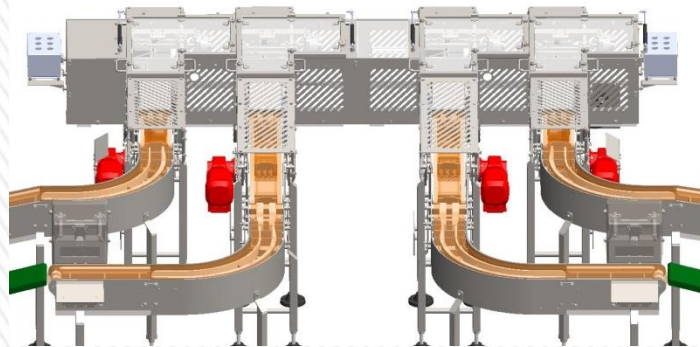
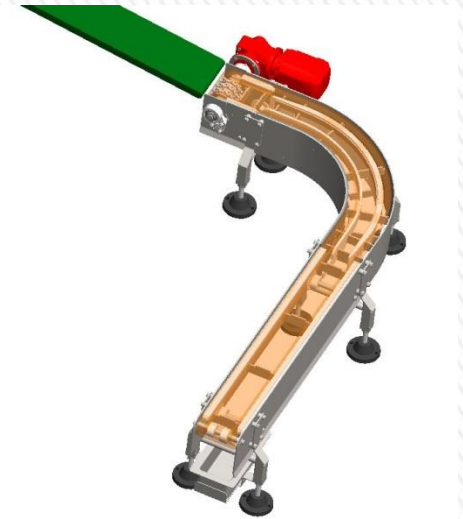
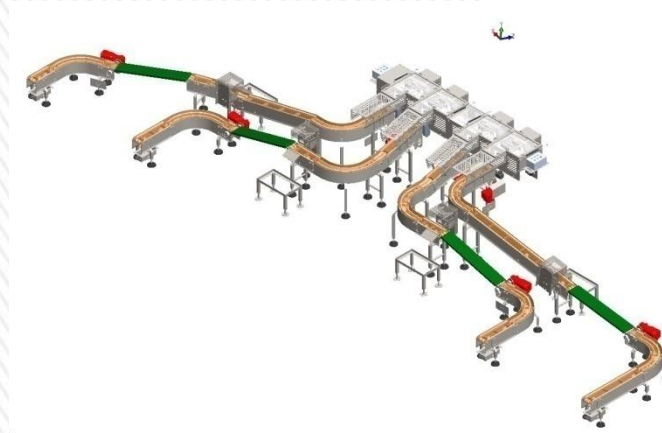
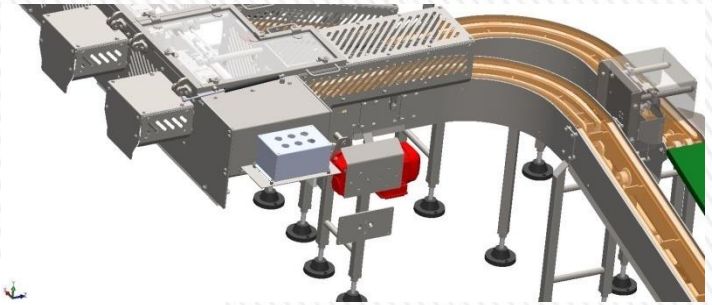
Design of conveyor System

Project Title:

Design of conveyor for food industry

Project Description:

- Design a Conveyor system using 3D Cad software based on client input.
- Mainly we focused to design on technological Structures like Stringers Short post, drive base frame, Guards, stools, Rail support structures, Head Frame, Bend pulley frame, Tail Frame, Deck plates.
- BOM generation
- Cad detail drawing



Design of Fabricated Slab Gate Valve

Project Title:

Design of Fabricated Slab Gate Valve

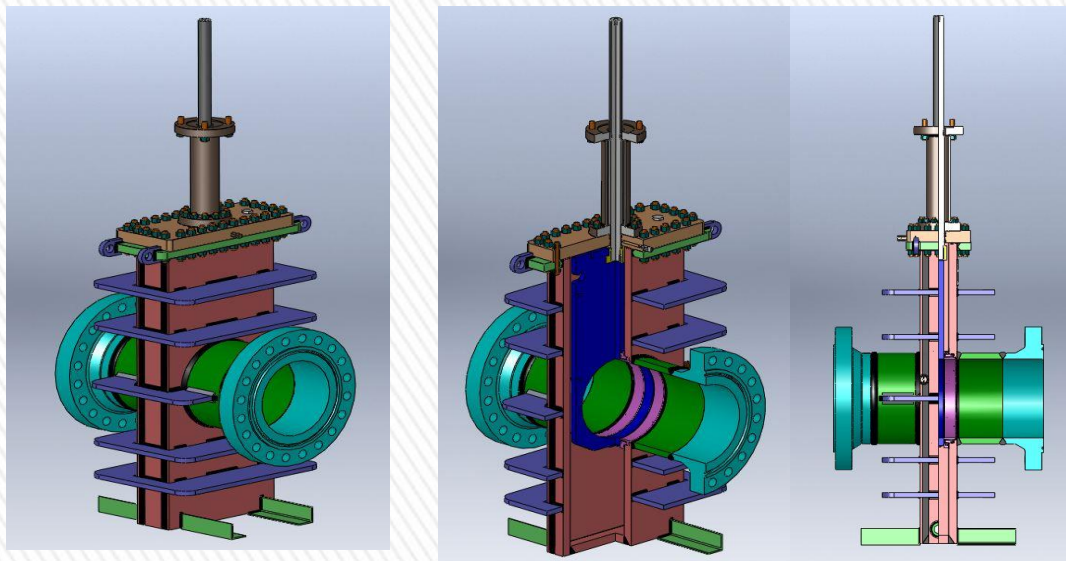
Project Description:

- Implementation of New Design Concept – Fabricated Slab Gate valve in Through Conduit Slab Gate valve
- Design is done by using various valve standards.
- 3D Model using Solid works
- Detailed Manufacturing drawing with required GD&T.

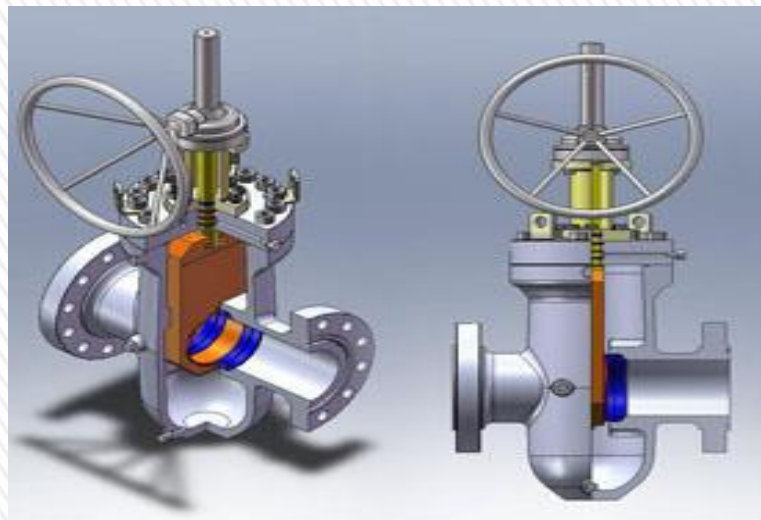
Business Benefits:

- Construction of FSBV is simple
- Plate grade of same material cost drastically reduces compared to casting or forging.
- Overall valve cost reduces mainly due to selection of plates and welding instead of casting.
- Overall weight reduced.
- High performance
- Reduces time to manufacturing because it avoids casting of body

NEW DESIGN



EXISTING DESIGN



Special Purpose Machine Design

Project Title:

Design Enhancements –

Check Weigh Machines

Project Description:

Load analysis and real-time animations
Have to implement all the survey
report recommendations.

Value engineering

Material selection should be within the
suggested list.

Handling the Huge cad data through
PDM

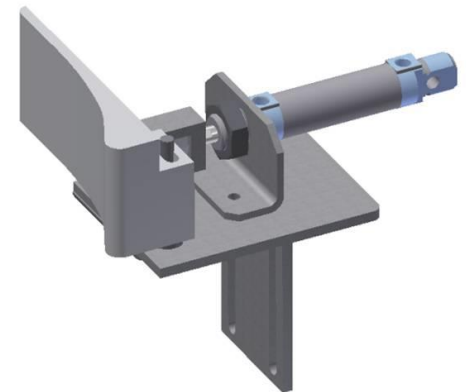
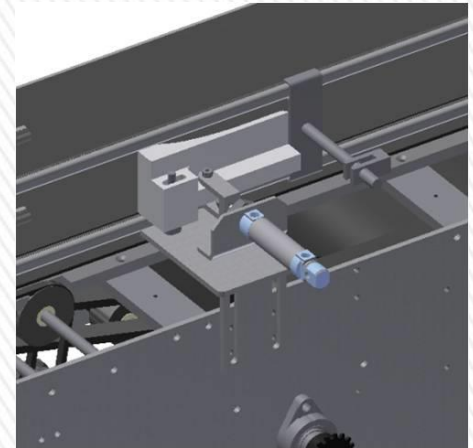
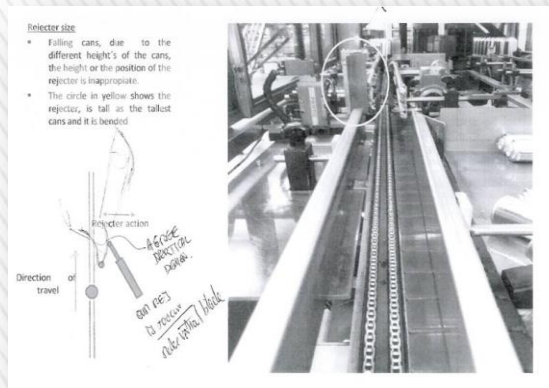
Business benefits:

Productivity increased by 15%

Maintenance reduced by 50%

A well structured documents and
manufacturing details produced

New designs implemented without
interrupting the existing production
line



Welding Fixture Design & Development

Work piece

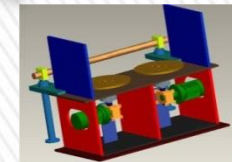
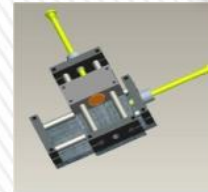
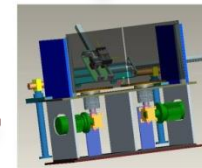
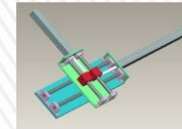


Single stage rotary welding machine w/ fixture

- Non uniform circular welding
- Less productivity.
- Lack of safety
- Separate fixture for LH & RH



SrinSoft's concept

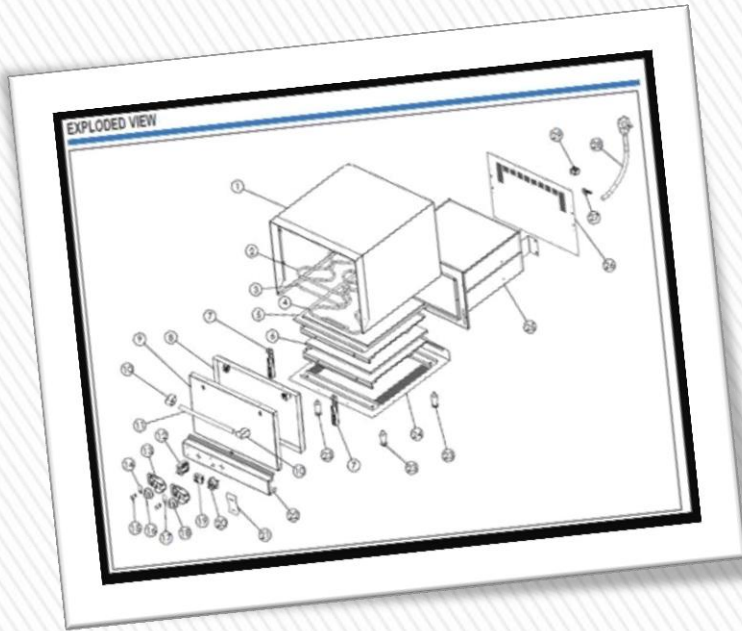


Twin stage rotary welding machine w/ fixture

- Uniform circular welding
- Productivity increased
- Full protection for operators
- Weld LH & RH at the same time

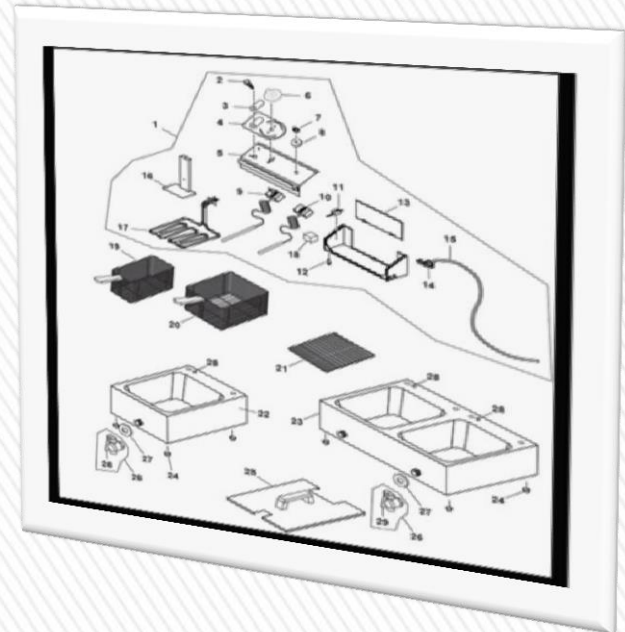
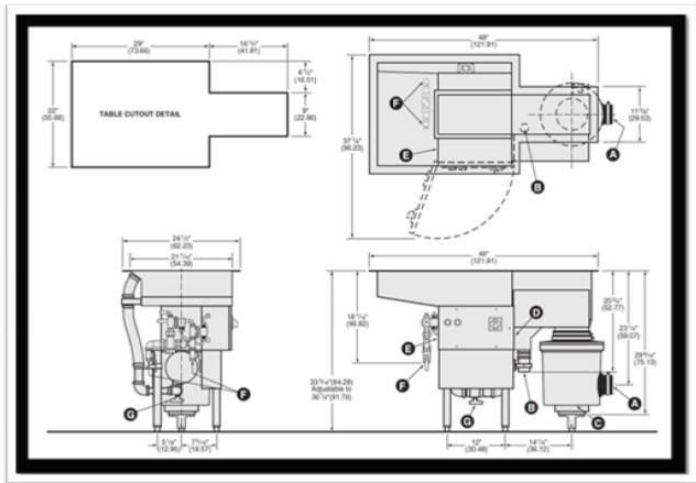


Technical Documentation



SPARE PARTS LIST -

Callout	Part Number	Description	Callout	Part Number	Description
1		OUTER ENCLOSURE	16	XPOA0010	TEMPERATURE CONTROL KNOB
2	XPOA0008	TOP ELEMENT 850W	17		TIMER SYMBOL CONTROL PANEL
3	XPOA0009	CENTRE ELEMENT 1000W	18	XPOA0011	TIMER KNOB
4	XPOA0008	BOTTOM ELEMENT 1000W	19	XPOA0004	THERMOSTAT
5	XPOA0007	SHELF	20	XTSA0058	TIMER
6	XPOA0006	CERAMIC PLATE	21		VOLLRATH LOGO
7	XCOA1032	DOOR HINGE	22		FRONT CONTROL PANEL
8		INNER DOOR	23	XFTA0010	FOOT
9		OUTER DOOR	24		BOTTOM COVER
10	XPOA0003	HANDLE PLASTIC NODE	25		INNER OVEN CHAMBER
11	XCOA1025	DOOR HANDLE TUBE	26		BACK COVER PLATE
12	XCOA1001	SWITCH	27	XCOA1013	STRAIN RELIEF
13	XAA0009	PLASTIC FACIA VOLLRATH	28	XAA0006	POWER CORD
14		CONTROL PANEL INSERT	29		CERAMIC CONNECTOR BLOCK
15	XAA0002	PILOT LIGHT			



Design Automation

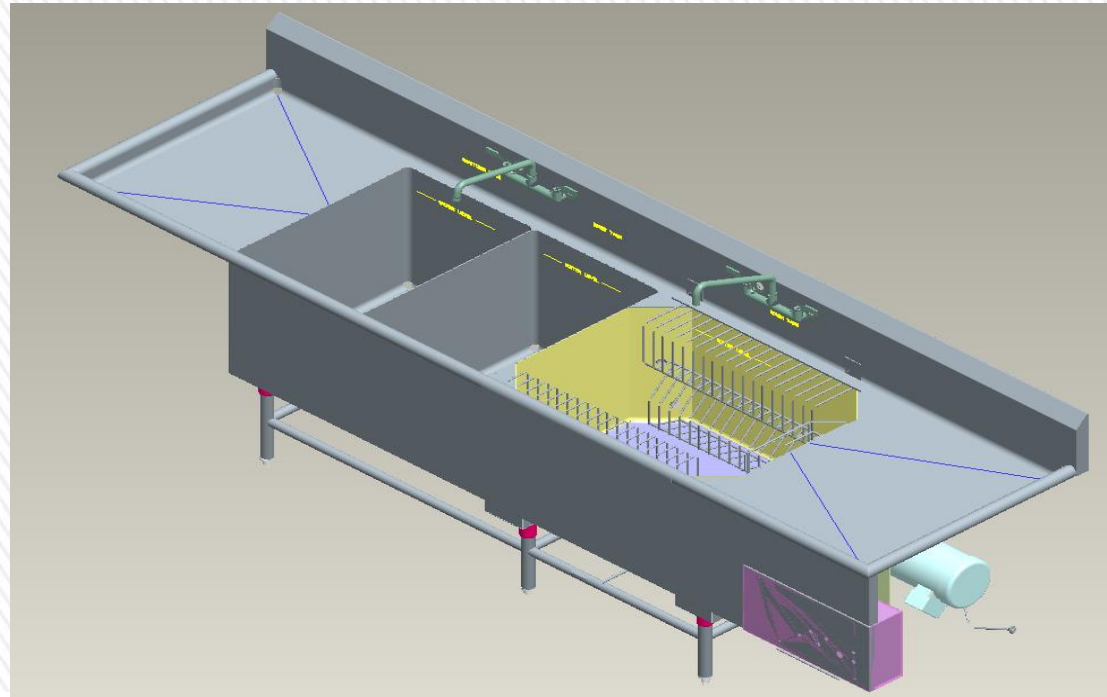
Restaurant Equipment Design Automation

Project Title:

Automation of Restaurant equipment design

Project Description:

- Design Automation using Creo – Toolkit for creating new designs based on user inputs
- Input include
 - Design parameters.
 - Selection of purchased items
 - Overall size requirements
- Automatic calculation of electrical requirements
- Automatic pipe routing based on design standards



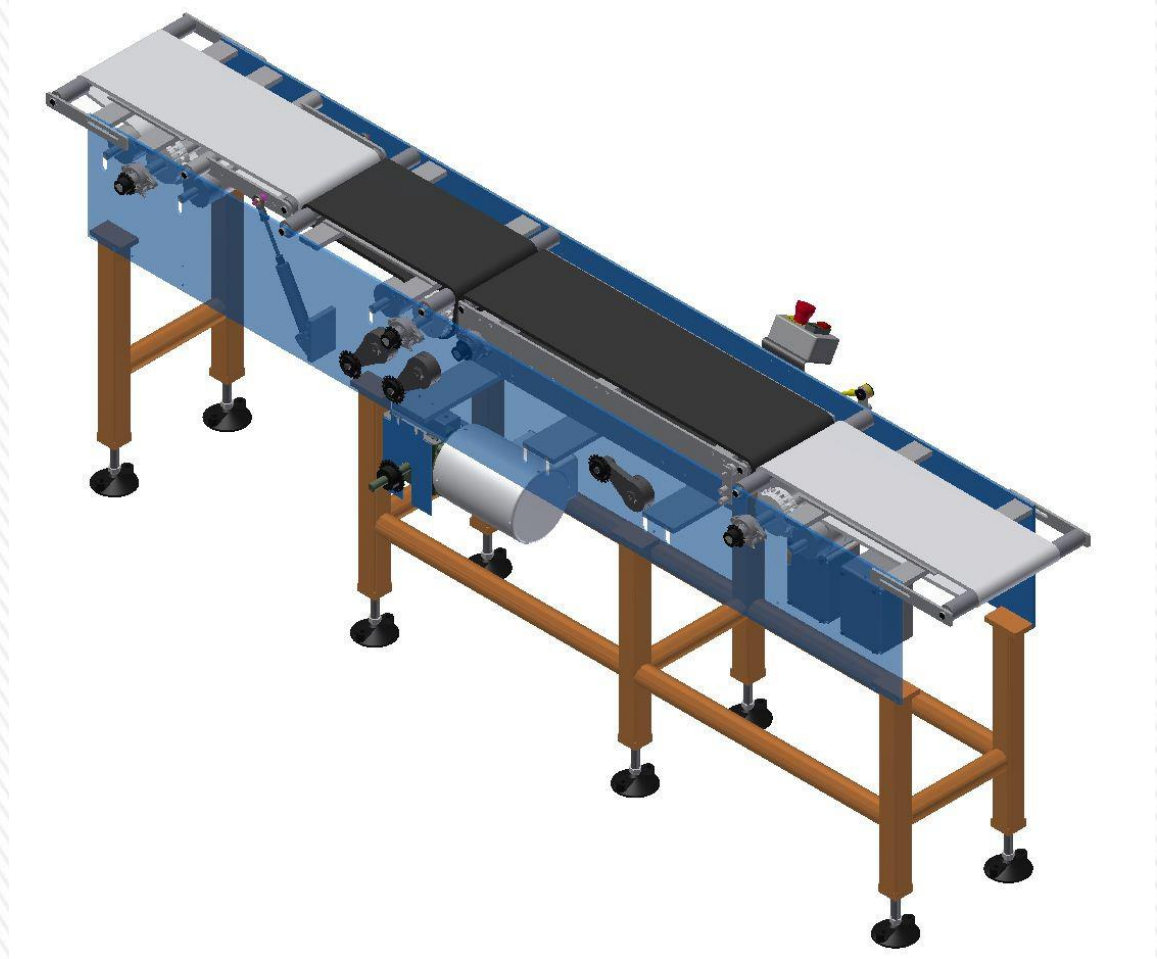
Machine Design Automation

Project Title:

Automation of Machine /
Equipment Design

Project Description:

- Design Automation using SolidWorks API for creating new designs based on user inputs
- Design calculations based on FDA and ANSI standards
- Design inputs to accommodate different products, customers etc.
- Automatic material selection and weight optimization



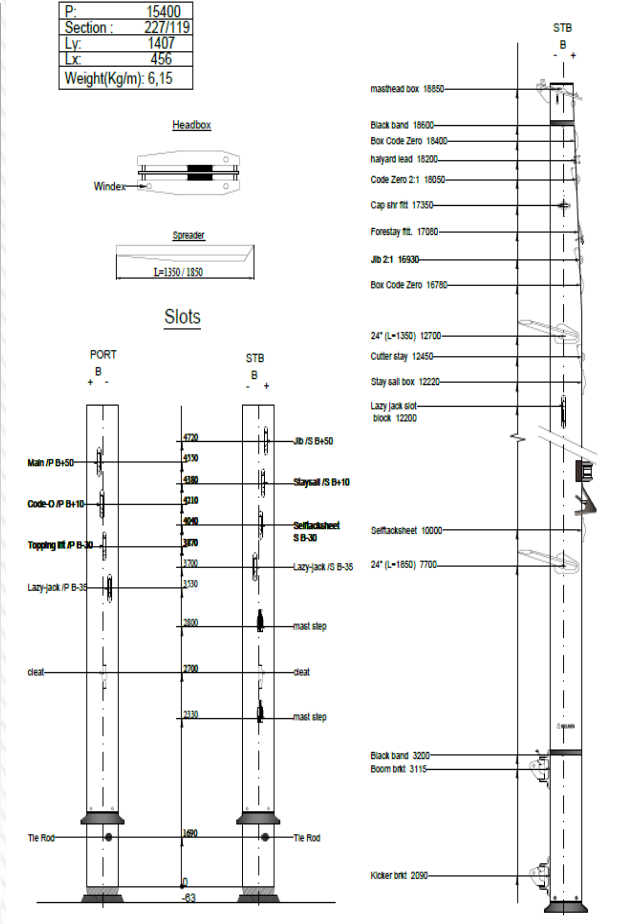
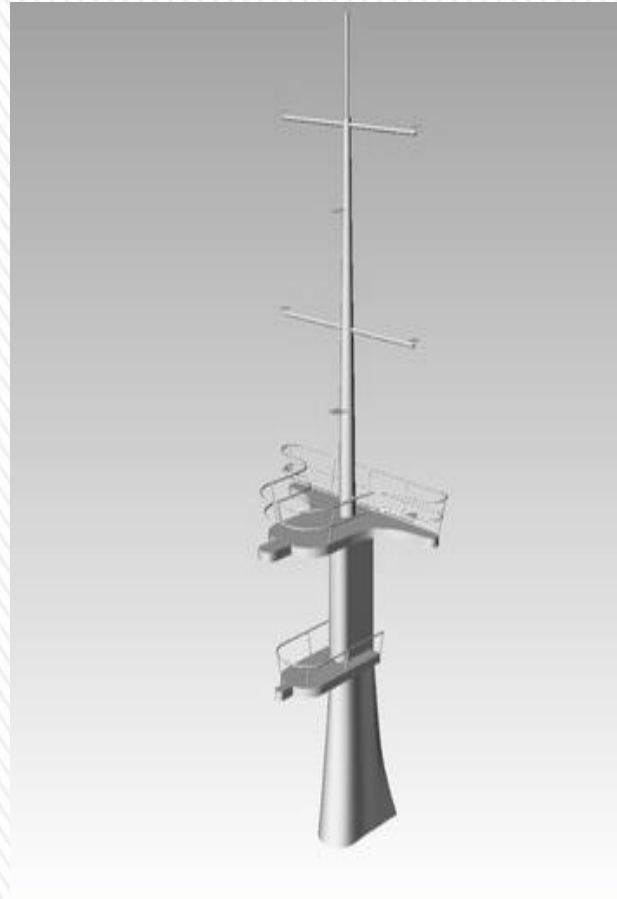
Creo Automation

Project Title:

- Automation of Ship Mast

Project Description:

- Ship Mast Design Automation using Creo
- Based on the XML Input, a Creo model and 2D PDF file of same will be generated and pushed to the clients Email.
- 2D PDF file will be generated in Readable format (NTS).



Online Product Configurator

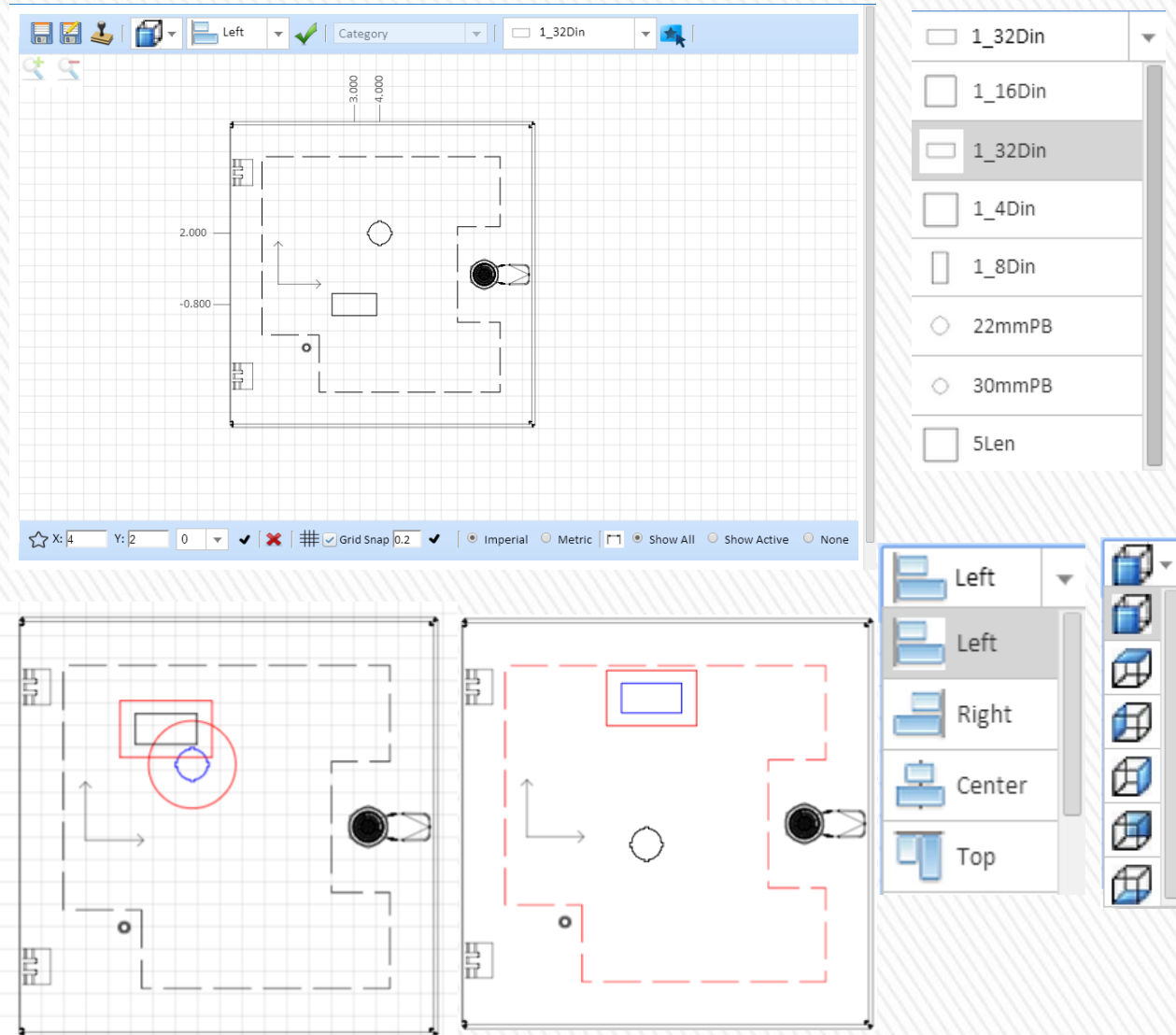
Online Configurator – 2D

Project Title:

- Online Configurator

Project Description:

- Web based custom configuration of enclosures with cutouts based on user input
- Real-time Collision check of cutouts
- AutoCAD like web interface with Grid, Snap, Align & Zoom options
- Admin option to generate new enclosure / cutout design from Inventor & AutoCAD
- Interface with SAP for retrieval of pricing and other status information
- Compatible with all leading browsers like IE, Chrome, Mozilla, Safari etc.



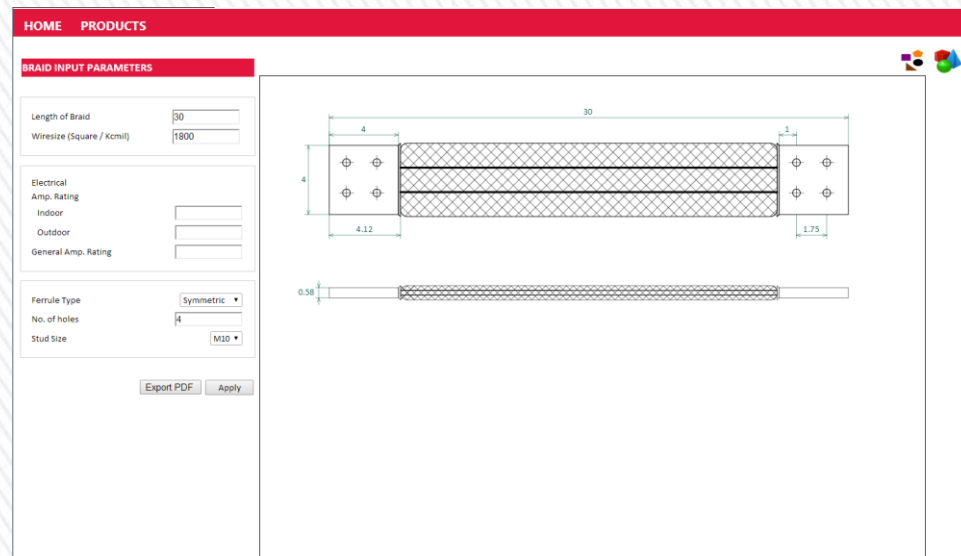
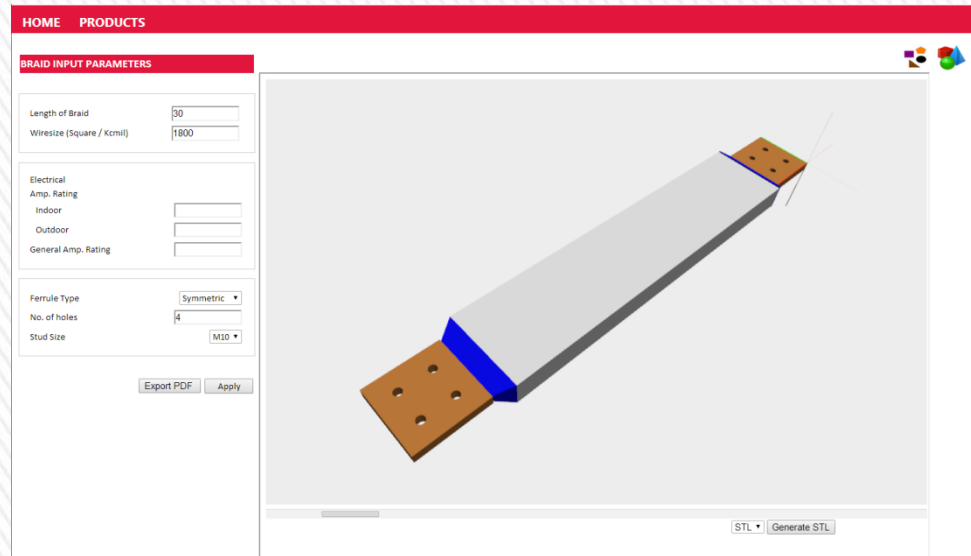
Online Configurator – 3D

Project Title:

Online Configurator

Project Description:

- Web based custom configuration of Braid with 3D interface
- Custom configuration options like selection of ferrule, custom connector hole design etc.
- Automatic 2D drawing generation with data export to Inventor
- Admin option to generate new Braid design from Inventor
- Interface with SAP for retrieval of pricing and other status information
- Compatible with all leading browsers like IE, Chrome, Mozilla, Safari etc.



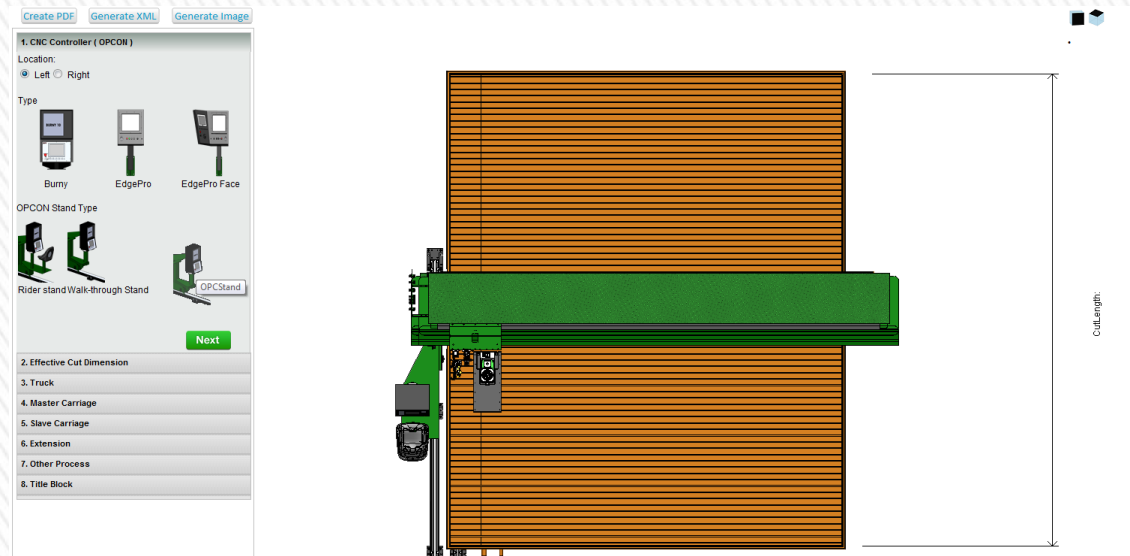
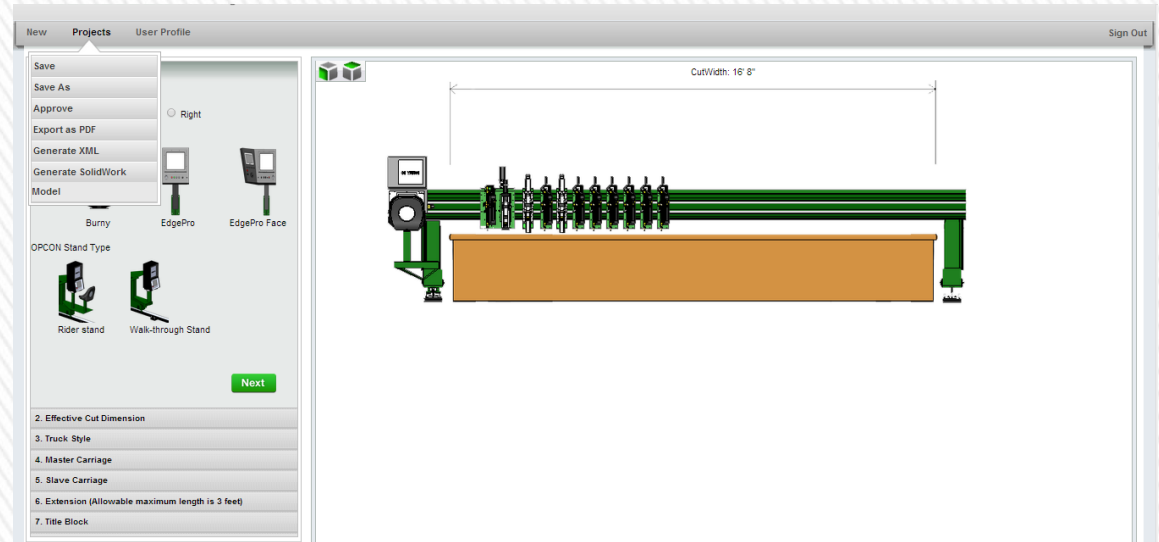
Online Configurator – Image based

Project Title:

Online Configurator

Project Description:

- Web based custom machine configuration tool
- Drag & drop interface of various machine configurations
- Dimensional input for defining size of the machine
- Generation of 2D sales drawing for the users
- Generation of 2D sales drawing in PDF format with various views / dimensions
- Server based interface with SolidWorks to generate production model based on user configuration



iPad – Door Configurator

Project Title:

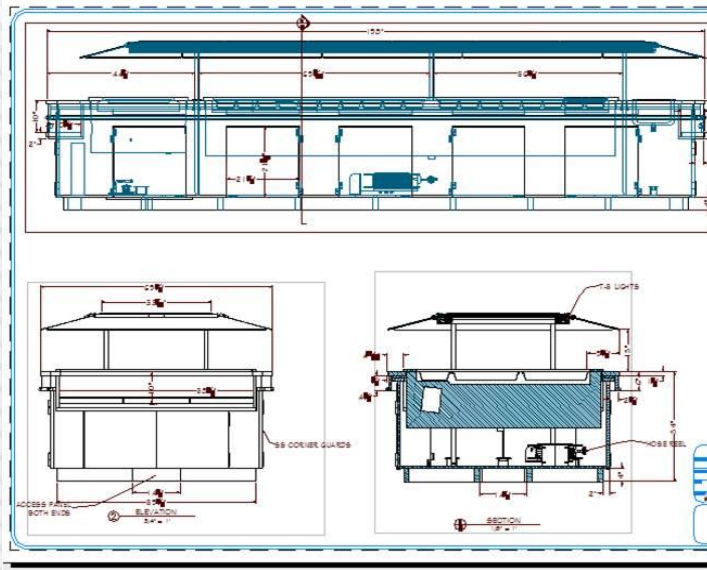
- iPad – Door Configurator

Project Description:

- IPAD app development for custom door configuration
- Interactive selection of door types and various door hardware like door locks, door closures etc.
- Option to apply different material to door and door hardware
- Drag and Drop of door hardware like locks, handles, door closers etc.
- User interactive options like zoom, pan etc.



CAD Migration & Standardization



Contact Us

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Thank You