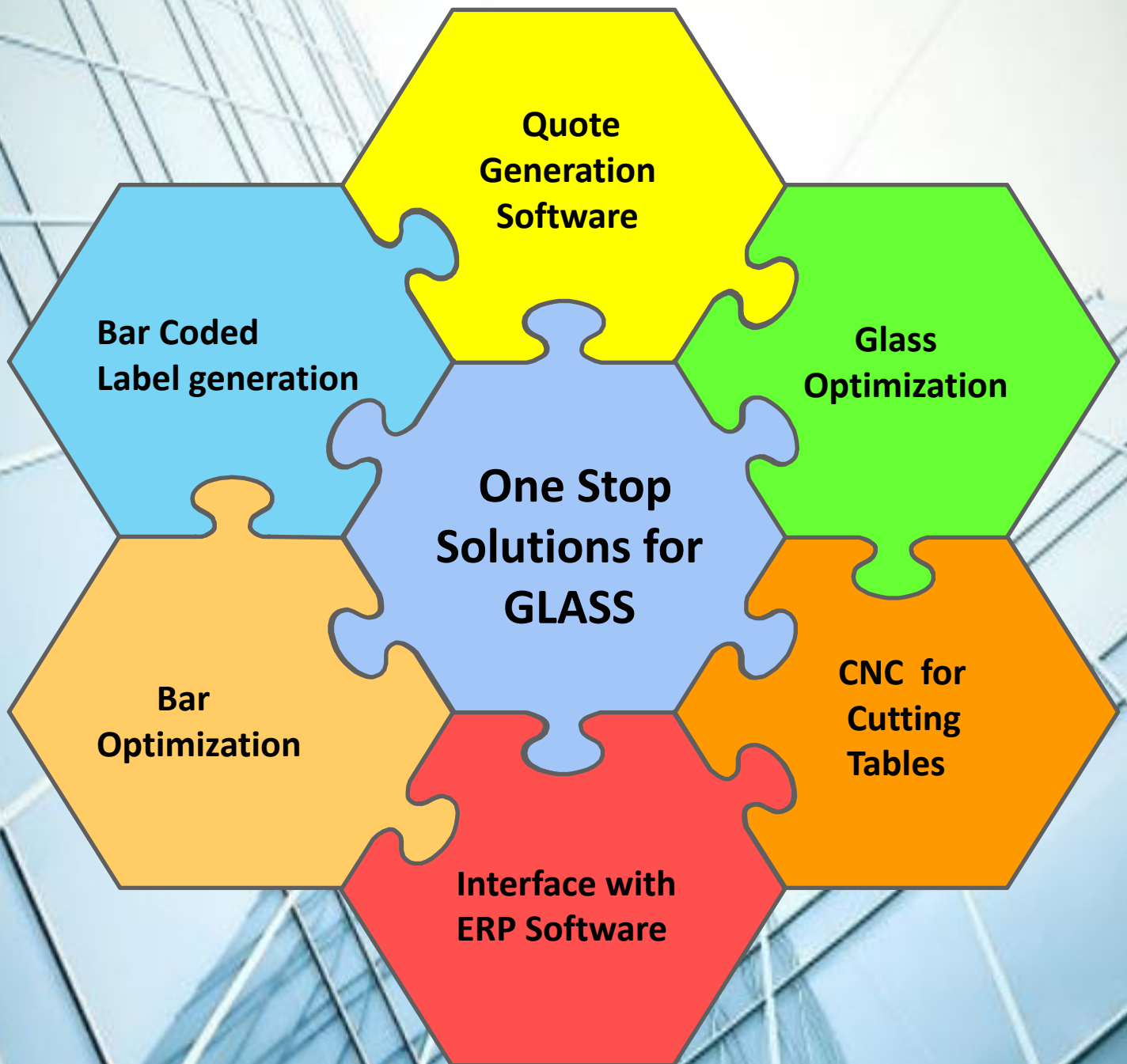




**Nirvana Technologies Pvt. Ltd.**

# **Glass Optimization Solutions**



**PROVEN**



**POWERFUL**



**PROFITABLE**

**Save Time**

**Save Material**

**Improve Automation**

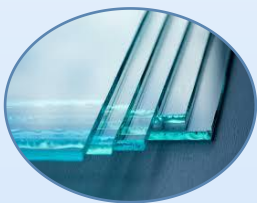
# PLUS 2D + Glass

**PLUS 2D Glass** is an effective glass optimization software, ideal for **Glass Processors** and **Glaziers**.

It has an easy to use, well designed, modern user interface which is simple yet powerful. Whether you are cutting glass manually or using CNC cutting table, PLUS 2D generates optimum cutting patterns at click of a button.

**PLUS 2D is the single most cost effective tool you can add to your business**

## Application Area



Glass Processors

Auto, Safety, Insulating Glass



Facade Builders

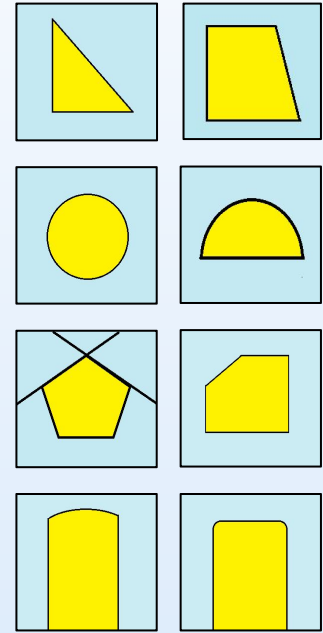
## Key Features

- Advanced optimizer, designed to deliver maximum yield.
- Grain direction to prevent part rotation while using patterned glass
- Speed allows you to check alternative scenarios quickly.
- Direct cutting table links.
- Options for trim cuts (Stock margin), Minimum breakout.
- Cut complexity selection allows a balance between utilization and breakout time.
- Re-nesting, Layout rejection, user defined offcut criteria



## Easy data entry and simple user interface

- No learning curve, Simple user interface.
- User can copy paste from Excel or tables or import Csv file.
- Data entry in in any unit (MM, Inches, Fractional inches,..), convert to another unit in one click.
- Library of standard parametric shapes, can import Shapes through dxf file also
- Integrated inventory module for effective stock tracking and offcut control
- Identify offcuts with your selection criteria, and recycle remnants into profile.
- Facility to accommodate filler parts.
- User defined shapes can be added..



**Parametric Shapes**

## Output

### Summary of Optimization Result

Summary of Optimization Results						
Grinding Margin						0
Saw Width						0
Number of Layouts						24
Number of Stock Used						292
Total Utilization						98.16
Total Parts Required						
Total Parts Nested						
Reusable Offcuts						
Total Stock Weight						
Total Part Weight						
Total Offcut Weight						
Total Scrap Weight						

### Summary of Layouts

No	Name	Qty	Uti %	Cost	Parts	Offcut Qty-Size
1	3	26	96.84	35155.18	182	0
2	2	35	97.94	46950.81	385	0
3	3	23	98.24	31098.81	138	0
4	2	26	98.90	34877.75	286	0
5	2	17	99.05	22804.68	102	0
6	2	1	98.65	5365.81	60	1-[443x890]

### Bill of Material

Name	Length	Width	Qty	Weight	Tot Qty.	Remarks
3	955	227	1	1.69	23	
8	699	484	2	5.28	46	
18	496	443	2	3.43	46	
19	869	126	1	2.82	23	
Total			6	13.28	138	

- Detailed customization reports.
- Word, excel and dxf output available.
- Complete layout drawing.
- Material requirements and materail balance lists.
- Summaries of each layout.
- Group wise report available.
- Bar coded label with part and offcut labels, cutting sequence or Part wise. (Optional Module)
- Generates NC Codes for many CNC Cutting tables. (Optional Module)
- Computer Based Tutorial & Movies.
- Support via E-mail, online help, phone

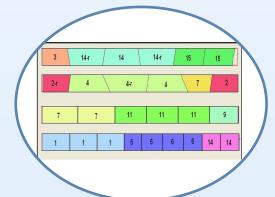
**GREAT PRODUCT**

**HONEST PRICE**

**GENUINE SUPPORT**

## Optional modules

- **PLUS Label Maker** - Bar Coded label generation software to print labels using ordinary printer and bar code (Roller) printer.
- **CNC Interface** - Can work with many CNC Cutting tables Indian, European, Chinese.
- **ERP Interface** - Possible to interface with ERP like SAP, Oracle, JD Edwards using intermediate database. Also possible to interface with your DBMS application.
- **PLUS 1D** - Bar Nesting software for reducing waste in cutting 1D (lineal) material like pipes, bars, sections, channels, profiles and extrusions.



## Testimonials

*A great program, does exactly what we need.*

**Robert Berger, Window Tech., USA**

*I really appreciate the time you took to answer my questions. I find this attitude both rare and refreshing in a world that seems to be built on the concept of sell and run.*

**Tony Feuer, Mazatlan., Mexico**

*Using PLUS 2D Glass Optimization software in our manufacturing process has resulted in considerable material and cost saving.*

**Director, Glass Wall System., Mumbai, India**

## Customization

*Nirvana will gladly customize PLUS 2D to meet your specific needs. We are adding customlinks to CNC Controllers. CNC equipment manufacturers and OEM's interested in bundling our software along with their machines can get in touch with us for developing a custom interface to cutting tables.*

## Company profile

**Nirvana Technologies Pvt Ltd.** is an India based company providing optimization technologies and custom software solutions for Sheet Metal, Glass and Wood Working industries. We pride ourselves in providing software solutions that enhance our customer productivity and profitability because they are easy to use, of good quality and competitively priced.

### Recommended System Requirements

1.8 GHz processor with 8 GB RAM, Win 8 or Later.

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