Nesting

Plan optimal material usage

Calculate optimal linear, square foot and per-each nesting solutions.

Combine parts from multiple jobs to maximize usage and minimize handling and waste.

Test multiple solutions for a filtered parts' list and review on-screen usage summaries for each before selecting a solution.

Nest into available and/or purchasable material based on customized company parameters for optimal usage.

Never nest the same part twice with smart cutting-plan tracking.

Add parts to a bar at the saw to minimize handling.

Get real-time updates in stock as material is pulled and used.

Purchasing

Purchase based on optimal material usage

Import nested solutions onto a PO with one click.

Ensure valid material definitions and prices with on the fly access to the materials database (MDB).

Automatically pre-populate POs with standard information and drag and drop PO lines when ordering identical items.

Automatically or optionally update material pricing in the MDB based on current PO pricing.

Distribute additional charges (e.g., taxes, cutting charges) across all or only relevant PO lines.

Maintain an automatic, permanent link to material information (e.g., nest, job, price, test certs, etc.) from the PO through to jobsite delivery.

Receiving

Real-time updates during material receiving

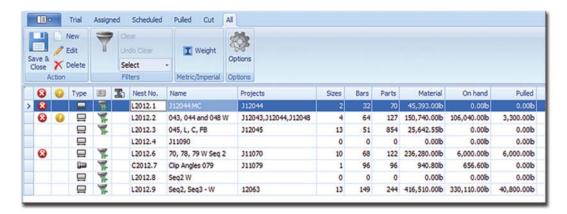Get immediate material availability updates in the stock system and nesting engines.

Manage and view all due-in/overdue items from a single window and receive by PO or by vendor.
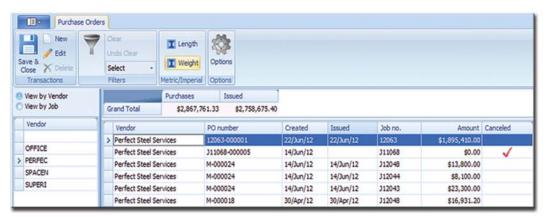
Easily receive a partial quantity on a specific PO line.
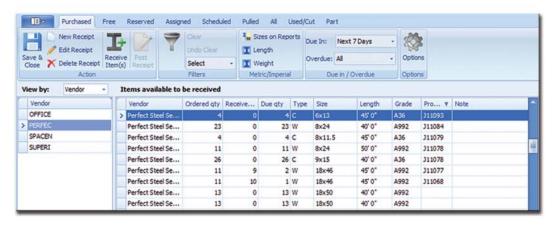
Add notes, heat cert number, storage area, etc. for automatic flow-through to the stock system.

Easily track items on one PO across multiple receipts.

Add the ability to receive material with barcode transactions through automated data capture (requires additional ADC module).

Materials
Nesting module | Plate module | Purchasing module

Nesting screen (Trial | Assigned | Scheduled | Pulled | Cut | All)

		Type			Nest No.	Name	Projects	Sizes	Bars	Parts	Material	On hand	Pulled
>					L2012.1	J12044 MC	J12044	2	32	70	45,393.00lb	0.00lb	0.00lb
					L2012.2	043, 044 and 048 W	J12043,J12044,J12048	4	64	127	150,740.00lb	106,040.00lb	3,300.00lb
					L2012.3	045, L, C, FB	J12045	13	51	854	25,642.55lb	0.00lb	0.00lb
					L2012.4	J11090		0	0	0	0.00lb	0.00lb	0.00lb
					L2012.6	70, 78, 79 W Seq 2	J11070	10	68	122	236,280.00lb	6,000.00lb	6,000.00lb
					C2012.7	Clip Angles 079	J11079	1	96	96	940.80lb	656.60lb	0.00lb
					L2012.8	Seq2 W		0	0	0	0.00lb	0.00lb	0.00lb
					L2012.9	Seq2, Seq3 - W	12063	13	149	244	416,510.00lb	330,110.00lb	40,800.00lb

Purchase Orders screen

View by Vendor / View by Job

	Purchases	Issued
Grand Total	$2,867,761.33	$2,758,675.40

Vendor: OFFICE, PERFEC, SPACEN, SUPERI

	Vendor	PO number	Created	Issued	Job no.	Amount	Canceled
>	Perfect Steel Services	12063-000001	22/Jun/12	22/Jun/12	12063	$1,895,410.00	
	Perfect Steel Services	J11068-000005	14/Jun/12		J11068	$0.00	✓
	Perfect Steel Services	M-000024	14/Jun/12	14/Jun/12	J12048	$13,800.00	
	Perfect Steel Services	M-000024	14/Jun/12	14/Jun/12	J12044	$8,100.00	
	Perfect Steel Services	M-000024	14/Jun/12	14/Jun/12	J12043	$23,300.00	
	Perfect Steel Services	M-000018	30/Apr/12	30/Apr/12	J12048	$16,931.20	

Receiving screen (Purchased | Free | Reserved | Assigned | Scheduled | Pulled | All | Used/Cut | Part)

Due In: Next 7 Days | Overdue: All

View by: Vendor — Items available to be received

Vendor: OFFICE, PERFEC, SPACEN, SUPERI

	Vendor	Ordered qty	Receive...	Due qty	Type	Size	Length	Grade	Pro...	Note
>	Perfect Steel Se...	4	0	4	C	6x13	45' 0"	A36	J11093	
	Perfect Steel Se...	23	0	23	W	8x24	40' 0"	A992	J11084	
	Perfect Steel Se...	4	0	4	C	8x11.5	45' 0"	A36	J11079	
	Perfect Steel Se...	11	0	11	W	8x24	50' 0"	A992	J11078	
	Perfect Steel Se...	26	0	26	C	9x15	40' 0"	A36	J11078	
	Perfect Steel Se...	11	9	2	W	18x46	45' 0"	A992	J11077	
	Perfect Steel Se...	11	10	1	W	18x46	45' 0"	A992	J11068	
	Perfect Steel Se...	13	0	13	W	18x50	40' 0"	A992		
	Perfect Steel Se...	13	0	13	W	18x50	40' 0"	A992		

Stock

Real-time, true paperless stock management

Get automatic notification across modules and functions when stock status affects other tools (e.g., the nesting engines) and get automatic status updates in stock when activities affect stock status (e.g., material is used).

Find and review stock quickly with customizable views of stock by status and/or user-selected criteria (type, type/size, etc.).

Manage standard parts and allocate them manually or make them available to the per-each nesting engine.

Maintain full traceability, including certification document attachments, for each stock item and remnants.

Stock ID	Hold	Status	Reserve...		Qty	Type		Size	Width	Length	Grade	Due date	Scheduled
0.257.0000	✓	Reserved	J11070		74	HP	I	14x117	0"	26' 7"	A992		
0.257.0000		Assigned	J11070		37	HP	I	14x117	0"	26' 7"	A992		
0.257.0000		Scheduled	J11070		19	HP	I	14x117	0"	26' 7"	A992		10/Apr/11
0.257.0000		Pulled	J11070		9	HP	I	14x117	0"	26' 7"	A992		10/Apr/11
0.257.0001		Assigned	J11070		10	HP	I	14x117	0"	1' 0"	A992		
0.258.0000	✓	Free			162	C		8x11.5	0"	12' 0"	A36		
0.259.0000		Free			117	HSS		2.500x0.125	0"	3' 4"	A513		

BOM

Master the bill of materials and manage changes

Use sophisticated importing tools to bring in material lists, and automatically get pricing and labor values based on your company setup.

Translate unrecognized material types, sizes or grades, finishes, etc. on the fly so they are recognized by the materials database.

Get notifications when revisions affect the materials list.

View and review a BOM by assembly, drawing, or sequence and add savable filters to drill down quickly for critical details.

Add unrecognized material in the BOM on the fly to the materials database without leaving the BOM work area.

Add and edit material pricing on the fly and choose to apply changes to all like parts, to the job or to the materials database.

Line no.	Hold	Assy	Dwg no.	Mark	Seq qty	Qty...	...	Type	Size	Grade
1.1	✓	1B1	4001	1B1	1	1	I	W	12x22	A992
1.2	✓	1B1	4001	p177	1	1	I	FB	1/2x5	A36
1.3	✓	1B1	4001	p34	2	2	I	FB	1/4x2	A36
1.4		1B1	4001	12	1	1	I	FB	1/8x1/2	A36
1.5		1B1	4001	1	1	1	I	FB	1/8x1/2	A36
2.1		1B10	1B10	1B10	1	1	I	W	12x35	A992

View by: Drawing

J11079
- Dwg 1001
- Dwg 1B10
- Dwg 1B11
- Dwg 1B12

MDB (Materials Database)

Intelligent materials and pricing database

Start with a comprehensive industry-standard database then add, edit and delete material definitions to customize the database for your company.

Create imperial/metric size equivalents and view by type and then by either imperial or metric, or both simultaneously.

Associate types with a logic that guarantees accurate weight, surface area and price extensions.

Adjust prices, accounting codes, default vendors, purchasable lengths, scrap lengths and rolling groups by type/size for a single item or a group of items at one time.

Type (code): W   Type desc.: Wide Flange

Material logic: Cut To Size Item

Sort method:
- Angle (examples: L,EA,UA)
- Bar (examples: FLT, FL)
- Beam (examples: W,UB,UC)
- Channel (examples: C,PFC)
- Grating (examples: Grating)
- Hardware (examples: B,HS)
- Hollow Structural Steel(US) (examples: HSS)

Scrap less than:

Sample size:

Cutting parameters

Met/Imp equivalent

Beam