

Automated Production Scheduling

“Production Wizard”

Sales Orders to Production Schedule Software

Reduce Administration Labor by 90% !

Create Schedules in Minutes NOT Hours !

Forecast Sales Based on History !

Improve Production Accuracy !

Improve Production Efficiency !

The Production Wizard is software to help you efficiently turn sales orders into production schedules. This is so easy to use it will literally save hours of work, calculating production work schedules every day!

The software is either standalone, or can be easily integrated with the PRIMS system. When in standalone mode the software will produce production work sheets, recap sheets, and oven capacity reports, which can be printed out and handed to your production personnel. When integrated with PRIMS, your finished production schedule can be sent directly to PRIMS and will automatically be assigned to the different work-plans required to make the product.



Set-Up

Installation and setup of your system consists of defining your production lines and product varieties. For production lines, you will need to know your equipment parameters (such as oven and mixer capacities), as well as timing information for shift starts and breaks. For product varieties you will need to know product size and weight, pan size, production time, and yield.

▲ Variety Setup
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Variety / Name:

Line Ident: Hearth Youngstown

Formula Code:

Top Inside (W x L): X in inches

Depth in inches:

Individual Pieces per Set:

Pieces Per Package:

Overall Size (W x L): X in inches

Unit Type:

Dough Sizes

MCDS:

SPDS:

LPDS:

Mixer Sizes

2.00 6.00

Timing

Ferment Time:

Mixing Time:

Floor Time:

Chng Ovr Time:

Adj Ord Time:

Dough Calculations

Scale Weight in oz.	Sacks / Min:	0.141
<input type="text" value="21.50"/>	Units / Min:	21.993
	% Util:	77.000

For Dough Size:	< ONE >	< 3 >
Net Batch Weight:	<input type="text" value="209.98"/> lbs	629.94
Units / Dough:	156.2642	468.7926 Loaves
Schedule Time:	7.1052	<input type="text" value="21.3155"/>

	<u>FULL Cap</u>	<u>ACTUAL</u>
Number Of Trays:	<input type="text" value="49"/>	49
Bake Time (cycle):	<input type="text" value="20.50"/>	20.50
Packages Per Pan:	3.00	3.00
Pans / Shelf or Row:	4.00	<input type="text" value="3.080"/>
Units / Shelf or Row:	12.00	9.24
Units in Oven:	588.00	452.76
Units / Minute:	28.683	22.086

Set-Up

Sales Order Entry

Sales orders are easily entered using lookup fields to quickly select which variety, and then enter the quantity desired. After establishing several sales orders the user can set up reusable templates, which can be recalled and modified, thus saving even more time. The user can then fine tune the order by adjusting the number of batches and batch sizes to run, to best fit their needs.

▲ Sales Orders
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H1 Hearth Youngstown For: 6/09/2008

Red = Sent to PRIMS

Seq	Variety	Code	Org Qty	MCDS	Ord Adj	Adj Qty	Your Change	Damage Adj	Final Sched	Qv-Un	CWTS	Sch	PRIMS
1	HEARTH WHEAT	44	310	3.00	0.50	312	334	336	336	26	5	Y	S
2	HEARTH ITALIAN	52B	345	3.00	0.50	347	435	437	437	92	5	Y	S
3	DELI ITALIAN	52A	2436	3.00	0.25	2442	2442	2448	2448	12	16	Y	S
4	PUMPERNICKEL	51	330	3.50	0.50	332	369	371	371	41	3	Y	S
5	AMERICAN RYE	53	990	5.00	1.50	1005	995	1010	1010	20	11	Y	S
6	FAMOUS RYE	54C	1116	4.00	0.50	1122	1123	1129	1129	13	6	Y	S
7	RHUEBEN RYE	54B	2070	5.00	1.50	2101	2070	2101	2101	31	24	Y	S
8	JEWISH RYE	54A	1950	4.00	1.50	1979	1950	1979	1979	29	17	Y	S

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Variety Detail
Setup Schedule
PRIMS
 View
 Insert
 Delete

Sales Order Entry

Creating Schedules

After sales orders have been entered, a production schedule is produced. This production schedule will include the start times for each part of the production process, as well as including lunch and relief breaks. This schedule can either be sent to PRIMIS, or printed out as a Production Work Sheet.

Schedule									
H1 Hearth Youngstown									
Date	Seq	No	Variety	Size	Dur	Time Out	Time Back	Out Mixer	Sched Time
6/09/2008	1	1	HEARTH WHEAT	4.50		1:19:59AM	1:19:59AM	1:30:00AM	1:30:00AM
6/09/2008	2		End of Day			1:45:17AM			1:45:17AM
6/09/2008	3		Variety Break		10	1:45:17AM			1:45:17AM
6/09/2008	4	1	HEARTH ITALIAN	2.50		1:40:17AM	1:40:17AM	1:55:17AM	1:55:17AM
6/09/2008	5	2	HEARTH ITALIAN	2.50		1:50:12AM	1:50:12AM	2:05:12AM	2:05:12AM
6/09/2008	6		End of Day			2:15:07AM			2:15:07AM
6/09/2008	7		Variety Break		10	2:15:07AM			2:15:07AM
6/09/2008	8	1	DELI ITALIAN	3.25		2:13:07AM	2:13:07AM	2:25:07AM	2:25:07AM
6/09/2008	9	2	DELI ITALIAN	3.25		2:36:12AM	2:36:12AM	2:48:12AM	2:48:12AM
6/09/2008	10	3	DELI ITALIAN	3.25		2:59:18AM	2:59:18AM	3:11:18AM	3:11:18AM
6/09/2008	11	4	DELI ITALIAN	3.25		3:22:23AM	3:22:23AM	3:34:23AM	3:34:23AM
6/09/2008	12	5	DELI ITALIAN	2.75		3:45:29AM	3:45:29AM	3:57:29AM	3:57:29AM
6/09/2008	13		End of Day			4:17:01AM			4:17:01AM
6/09/2008	14		Variety Break		10	4:17:01AM			4:17:01AM
6/09/2008	15	1	PUMPERNICKEL	3.00		4:19:31AM	4:19:31AM	4:27:01AM	4:27:01AM
6/09/2008	16		End of Day			4:43:52AM			4:43:52AM
6/09/2008	17		Variety Break		10	4:43:52AM			4:43:52AM
6/09/2008	18	1	AMERICAN RYE	5.50		4:46:22AM	4:46:22AM	4:53:52AM	4:53:52AM
6/09/2008	19	2	AMERICAN RYE	5.50		5:09:19AM	5:09:19AM	5:16:49AM	5:16:49AM
6/09/2008	20		End of Day			5:39:47AM			5:39:47AM
6/09/2008	21		Variety Break		10	5:39:47AM			5:39:47AM
6/09/2008	22	1	FAMOUS RYE	6.00		5:42:47AM	5:42:47AM	5:49:47AM	5:49:47AM
6/09/2008	23		End of Day			6:16:39AM			6:16:39AM
6/09/2008	24		Variety Break		10	6:16:39AM			6:16:39AM
6/09/2008	25	1	RHUEBEN RYE	6.00		6:19:09AM	6:19:09AM	6:26:39AM	6:26:39AM
6/09/2008	26	2	RHUEBEN RYE	6.00		6:45:54AM	6:45:54AM	6:53:24AM	6:53:24AM
6/09/2008	27	3	RHUEBEN RYE	6.00		7:12:39AM	7:12:39AM	7:20:09AM	7:20:09AM
6/09/2008	28	4	RHUEBEN RYE	5.50		7:39:23AM	7:39:23AM	7:46:53AM	7:46:53AM
6/09/2008	29		End of Day			8:11:24AM			8:11:24AM
6/09/2008	30		Variety Break		5	8:11:24AM			8:11:24AM
6/09/2008	31	1	JEWISH RYE	5.50		8:09:24AM	8:09:24AM	8:16:24AM	8:16:24AM
6/09/2008	32	2	JEWISH RYE	5.50		8:39:12AM	8:39:12AM	8:46:12AM	8:46:12AM

Creating Schedules