Asprova APS / Asprova SCP



Think Ahead, Act on Time

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Established in 1994 as Japan's first production scheduling software company.

Headquarters in Tokyo and Osaka (Japan), Shanghai (China), Seoul (Korea), Wetzlar (Germany), and Washington (North America), Kuala Lumpur (Malaysia)

Implementation Results



3,340 units deployed as of May 2022

2,392	within Japan
948	internationally

Industries:

Automotive, electrical, electronic, semi-conductor, mechanical engineering, construction, metal, aerospace, ship-building, plastic, food and beverage, pharmaceutical, cosmetic

Companies implementing Asprova



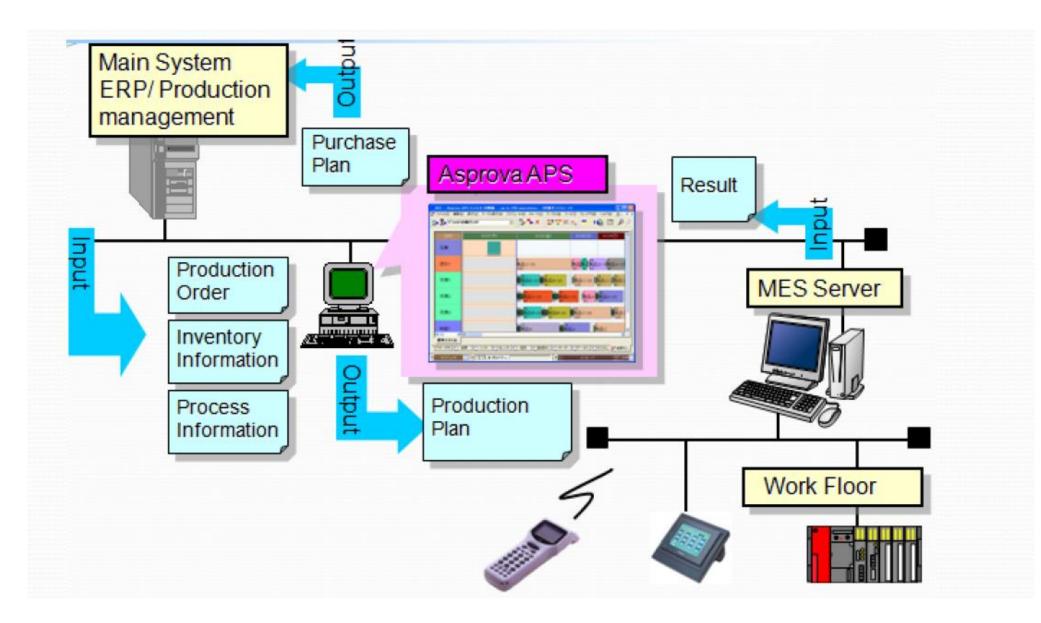


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Positioning in production control





Merits of implementing Asprova



Ultra High-speed Scheduling

Graphical Visualization

Shorten lead-times

Reduce inventory

Easy confirmation of projected due dates

Accurate quoting of finish times

Resource Gantt Chart

2022	6/1 (Wed)	6/2 6/3 (Thu) (Fri)	6/4 (Sat)	6/5 6/6 (Sun) (Mon)	6/7 (Tue)	6/8 6/ (Wed) (Th	u) (Fri)	6/11 (Sat)	6/12 (Sun)	6/13 (Mon)	6/14 (Tue)	6/15 (Wed)	6/1 (Th
Mixer1		2 7 ProProductD-1P 30 90 2	roductB-10	8 Prod 80	uctC=Product 50	tC-10				1 Produ 50	uctA+10Pro 100	ductC-10	
Packer1		2 ProductA-20 30			8 Product 80	10 C-2ProductC-20 50						5 Pr 10	oduct(0
Packer2				3 Produ 25	uctB-20						1 Produ 50	ictA-20	
Packer3		F	ProductD-20 00										
InspectionCe		2 Produ 30	lictA		3 ProductB 25 9	roductD 8 0 80	otC 🚺	10 ProductC 50				1 Pro 50	oductA

-Shows an overview of the tasks each machine or worker will carry out

- -Production schedule is created according to resource capacity and availability
- -Jobs can be adjusted by dragging with the mouse

Order Gantt Chart

2022	Item	Order quantity	Lead time	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
⊞ 2	ProductA	30	1D11H22M										▼																				
⊞ 7	ProductD	90	6D4H45M			į.					-																						
± 3	ProductB	25	3D18H12M30S				, ,		IV	-																							
8 ±	ProductC	80	4D10H25M						_		ļ															▼							
± 10	ProductC	50	6D14H35M										ļ,																			▼	
± 1	ProductA	50	3D6H10M													_	<u> </u>	ļ														▼	
± 5	ProductC	100	6D17H30M														. I_	Į.	ļ														
9	ProductD	35	6D14H59M																ļ,	1					<u>į</u>							▼	
+ 4	ProductA	60	5D4H34M																				1	Ļ	-								
± 15	ProductD	50	3D23H																					j_		į						▼	
± 6	ProductB	30	2D6H5M																					_		ļ.		▼					
H 13	ProductD	50	6D14H25M																					ļ	ļ					<u> </u>		▼	
± 14	ProductC	50	4D23H55M																													▼	
12	ProductD	50	5D7H50M																												I.	▼	
⊞ 11	ProductD	60	4D23H																														

-Shows an overview of all orders in one chart

- -Start/finish times, due dates of orders are easily visible
- -Rows can be expanded to view individual operations and tasks



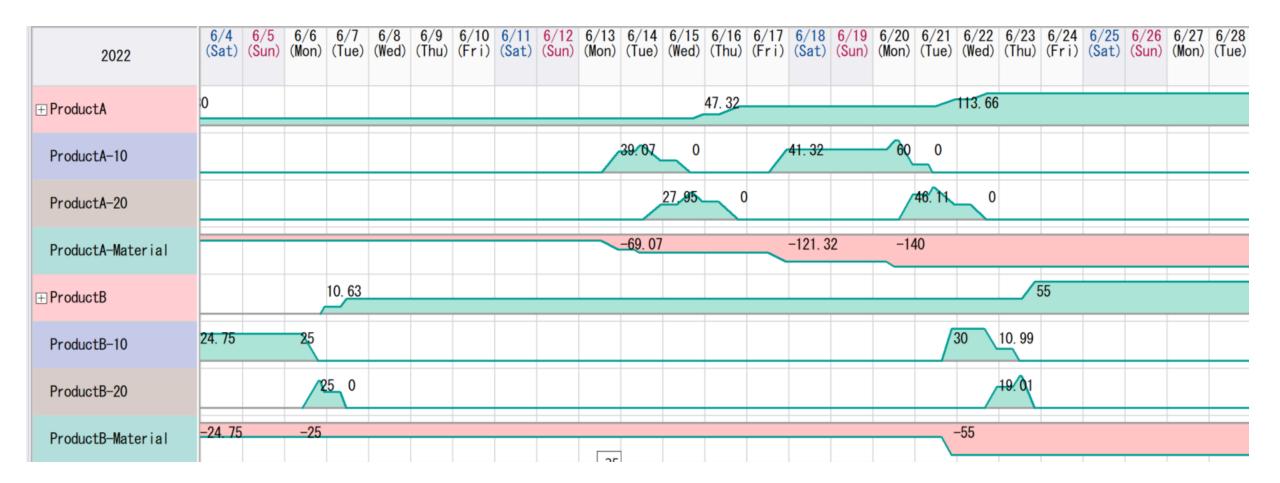
Load Graph

2022	6/1 (Wed)	6/2 (Thu)	6/3 (Fri)	6/4 (Sat)	6/5 (Sun)	6/6 (Mon)	6/7 (Tue)	6/8 (Wed)	6/9 (Thu)	6/10 (Fri)	6/11 (Sat)	6/12 (Sun)	6/13 (Mon)	6/14 (Tue)	6/15 (Wed)	6/16 (Thu)	6/17 (Fri)	6/18 (Sat)	6/19 (Sun)	6/20 (Mon)	6/21 (Tue)	6/22 (Wed)	6/23 (Thu)	6/24 (Fri)
Ward		91%	92%			76%	47%						66%	56%	57%	13%	96%			74%	53%	77%	81%	27%
Mixer1																								
Doolvor 1		35%	1%				89%	56%							30%	81%				55%	17%		4%	51%
Packer1																								
Packer2						62%								68%	54%							47%	27%	
Fackerz																								
Desker?			27%			100%	93%													79%	80%	80%	91%	89%
Packer3																								
InemesticanContex1			68%			18%	25%	87%	100%	8 7 %			100%		39%	87%	100%			100%	87%	73%	73%	87%
InspectionCenter1																								

- -Displays the load of all resources
- -Rows can be drilled down to view the associated orders
- -Data can be exported to spreadsheet

Inventory Graph





-Displays the fluctuations in inventory for all items

- -The effects of scheduling can be seen in advance
- -Data can be exported to spreadsheet

Connection with external systems





	Code	Data type			Code	Data typ
	🕞 Internal Property			Ę	External fields	
17	Order code	WBSKey	1	-	Order code	String
2	Order type	Enum	2	-	Order type	String
3	Item code	WBSRef	3	-	Item code	String
4	– EST	Time	4	-	Due date	Time
5	— Due date	Time	5	-	Order quantity	Float
6	Order quantity	Float	6	-	Priority	Float
7	Priority	Float	7	-	Customer code	String
8	 Customer code 	WBSRef	8	-	Display color	Integer
9	Display color	Integer	9	-	Version	String
10	Version	String	10	-	(Empty)	Undefined

Import/export data by visually connecting fields

OS: Windows Server / Windows

CPU: Intel core i3 or higher, 32 bit or 64 bit (x64)

Memory: 1Gb or greater (depends on volume of data)

Hard disk: Uses about 500MB for installation.

