

System 3R

EasyCellManager



EasyCellManager can serve

one



two



or
more



Features

- + Newly developed software for automated Milling cells.
- + Intuitive – easy to learn and easy to use.
- + No ID system needed.
- + Can serve one, two or more milling machines in the same cell.
- + Clear overview of pallets and related jobs.
- + CutterToolMonitoring (CTM*) will rapidly answer questions such as:
 - Which cutting tools are needed?
 - Is there enough cutting time for the jobs?

* CTM is included with EasyCellManager.

milling machines!

User friendly

Machine tool table

Displays the machine's tool table.

Machine display

Toggle between each machine in the cell.

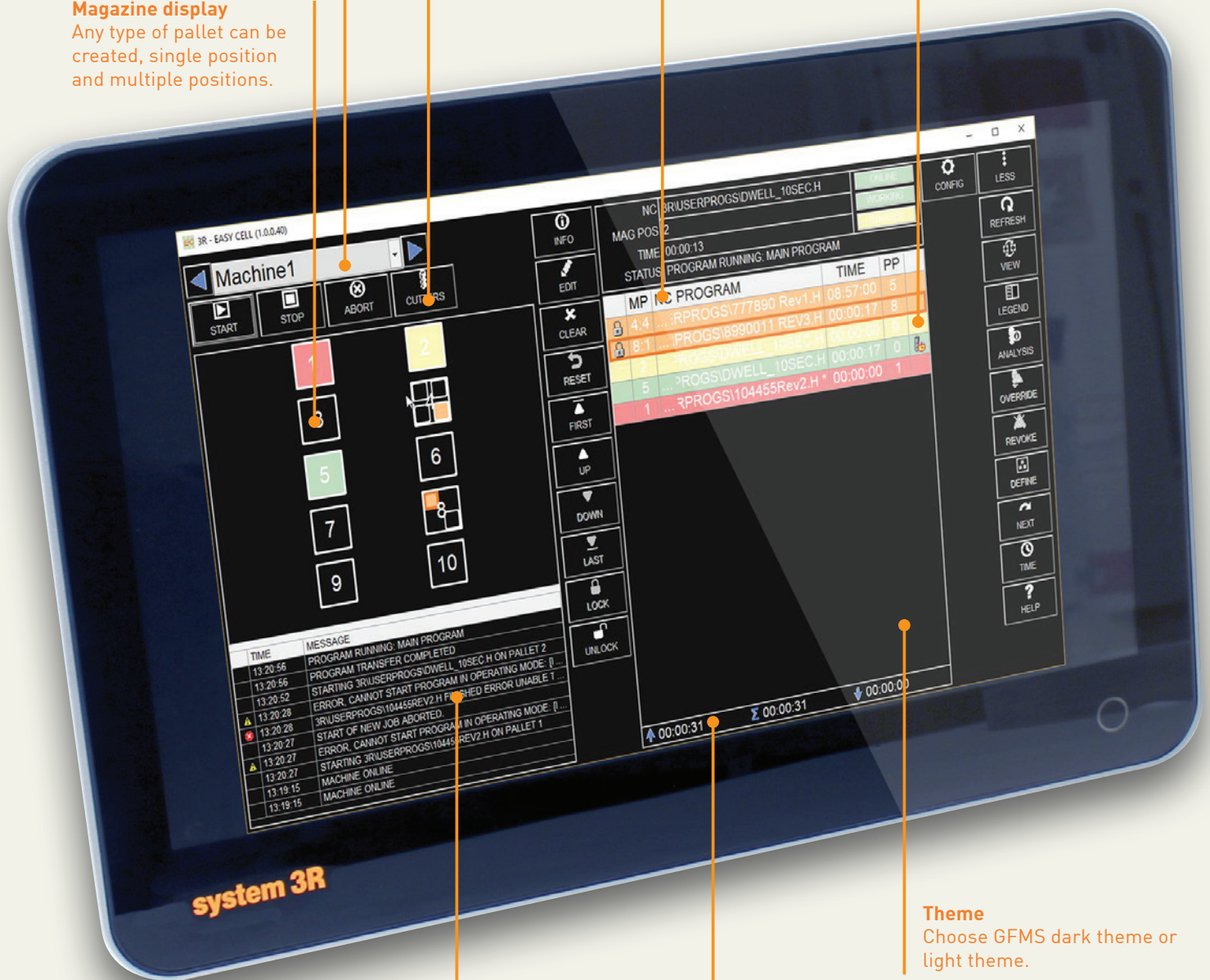
Magazine display

Any type of pallet can be created, single position and multiple positions.

Job list

View the status of all jobs. It's easy to prioritize, change the order, or even withdraw jobs from the queue.

Cutter tool monitoring



Message / Info / NC display window

Toggle function to view various informations.

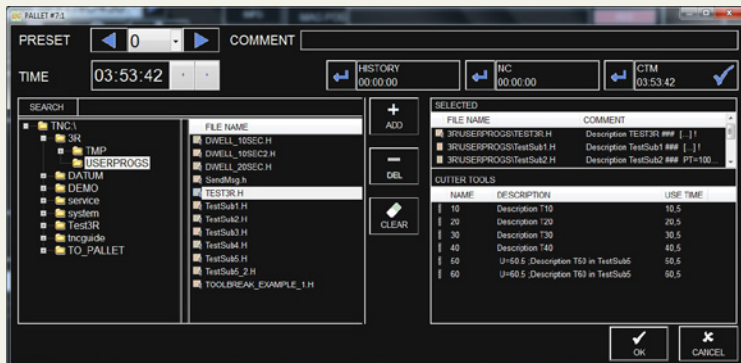
Time display

Displays present job time, remaining job time and total job time.

Theme

Choose GFMS dark theme or light theme.

Workflow



Assignment of NC file and preset point

When the required NC program is selected, EasyCellManager registers the tools used.

Time is stored if: the NC program defines the time for the entire machining operation; or, each tool has a defined use time.

If the program has been used earlier, the last recorded time is automatically displayed.

The screenshot shows the 'CUTTER TOOLS' window with a 'TOOL TABLE' tab. The table has the following columns: NO., DESCRIPTION, SISTER, POCKET, LOCKED, LIFE MONITORING, LIFE TIME, WARNING TIME, CURRENT TIME, TIME LEFT, LENGTH, and RADIUS. The table is populated with 25 rows of tool data.

NO.	DESCRIPTION	SISTER	POCKET	LOCKED	LIFE MONITORING	LIFE TIME	WARNING TIME	CURRENT TIME	TIME LEFT	LENGTH	RADIUS
1	D2	0	1	NO	NO	0.0	0.0	0.0	0.0	30.0000	1.0000
2	D4	0	2	NO	NO	0.0	0.0	0.0	0.0	40.0000	2.0000
3	D6	0	3	NO	NO	0.0	0.0	0.0	0.0	50.0000	3.0000
4	D8	0	4	NO	NO	0.0	0.0	0.0	0.0	60.0000	4.0000
5	D10	0	5	NO	NO	0.0	0.0	0.0	0.0	70.0000	5.0000
6	D12	0	6	NO	NO	0.0	0.0	0.0	0.0	80.0000	6.0000
7	D14	0	7	NO	NO	0.0	0.0	0.0	0.0	90.0000	7.0000
8	D16	0	8	NO	NO	0.0	0.0	0.0	0.0	100.0000	8.0000
9	D18	0	9	NO	NO	0.0	0.0	0.0	0.0	110.0000	9.0000
10	D20	0	10	NO	NO	0.0	0.0	0.0	0.0	120.0000	10.0000
11	D22	0	11	NO	NO	0.0	0.0	0.0	0.0	130.0000	11.0000
12	D24	0	12	NO	NO	0.0	0.0	0.0	0.0	140.0000	12.0000
13	D26	0	13	NO	NO	0.0	0.0	0.0	0.0	150.0000	13.0000
14	D28	0	14	NO	NO	0.0	0.0	0.0	0.0	160.0000	14.0000
15	D30	0	15	NO	NO	0.0	0.0	0.0	0.0	170.0000	15.0000
16	D32	0	16	NO	NO	0.0	0.0	0.0	0.0	180.0000	16.0000
17	D34	0	17	NO	NO	0.0	0.0	0.0	0.0	190.0000	17.0000
18	D36	0	18	NO	NO	0.0	0.0	0.0	0.0	200.0000	18.0000
19	D38	0	19	NO	NO	0.0	0.0	0.0	0.0	210.0000	19.0000
20	D40	0	20	NO	NO	0.0	0.0	0.0	0.0	220.0000	20.0000
21	D42	0	21	NO	NO	0.0	0.0	0.0	0.0	230.0000	21.0000
22	D44	0	22	NO	NO	0.0	0.0	0.0	0.0	240.0000	22.0000
23	D46	0	23	NO	NO	0.0	0.0	0.0	0.0	250.0000	23.0000
24	D48	0	24	NO	NO	0.0	0.0	0.0	0.0	260.0000	24.0000
25	D50	0	25	NO	NO	0.0	0.0	0.0	0.0	270.0000	25.0000

Machine tool table

Each time a new job is started,

EasyCellManager checks the machine tool table and tool availability. If a tool is broken and no sister tool is available, the job is blocked.

The screenshot shows the 'CUTTER ANALYSIS, 4 JOBS' window. It displays a table with the following columns: NO., OCCURENCE, and USE TIME. The table is populated with 5 rows of tool usage data.

NO.	OCCURENCE	USE TIME
10	1	10.5
20	1	20.5
30	1	30.5
40	1	40.5
50	1	50.5
60	1	60.5

Cutter tool monitoring

This list displays not only the tools used in jobs, but also which tools are missing and in which tool magazine position each one must be placed.



GF Machining Solutions

For contact details, please refer to:
www.system3r.com

