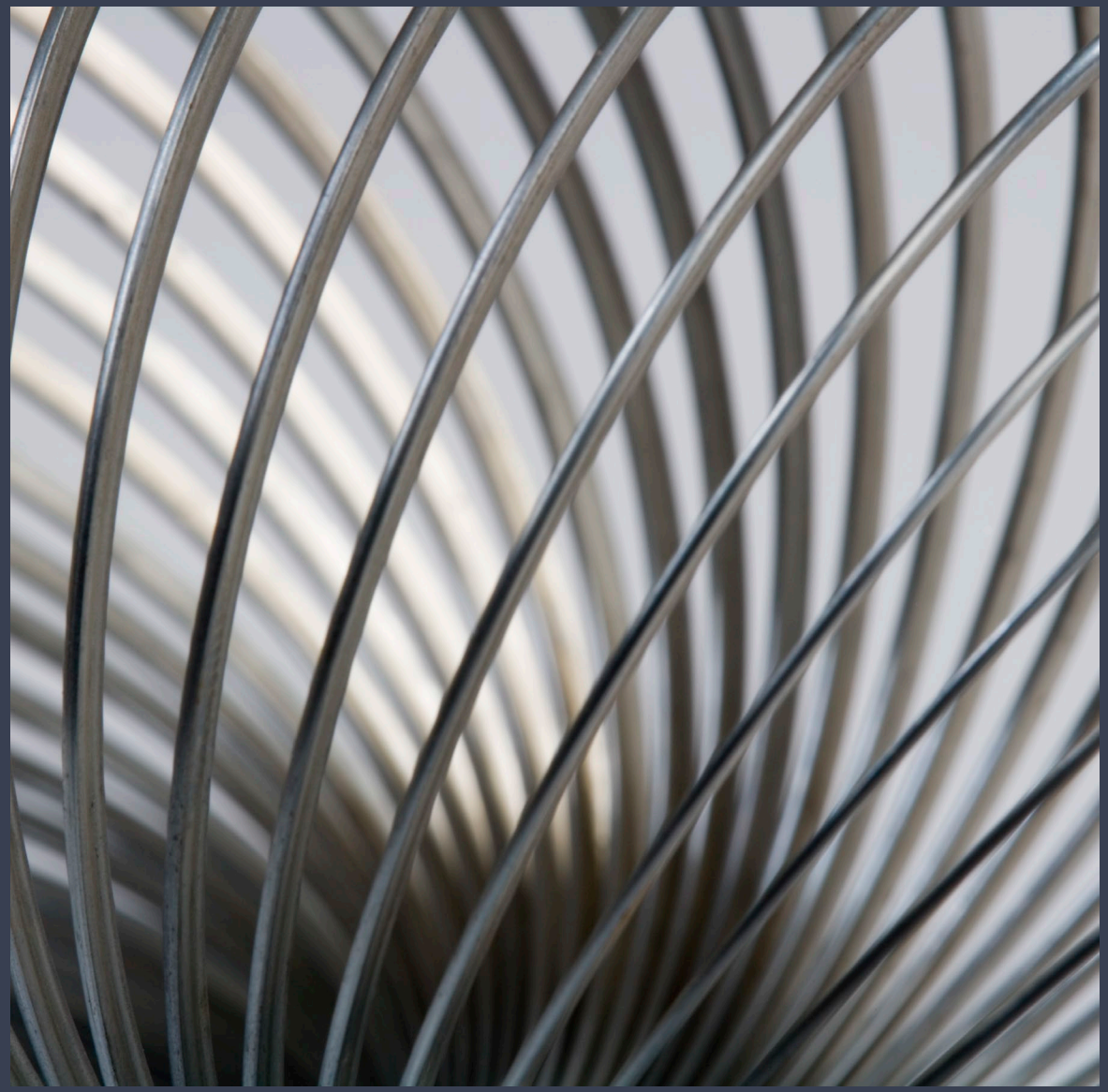
NUGM 2024

MRP
TAKE ACTION



Joanne Eckenrode, NovoROI Systems, LLC

AGENDA

- MRP Process – Quick review
- MRP Error review
- MRP.ACTIONS
- MRP.ACTIONS.WB
  - MFG
  - PUR
- Types of errors
- Potential actions

MRP OVERVIEW

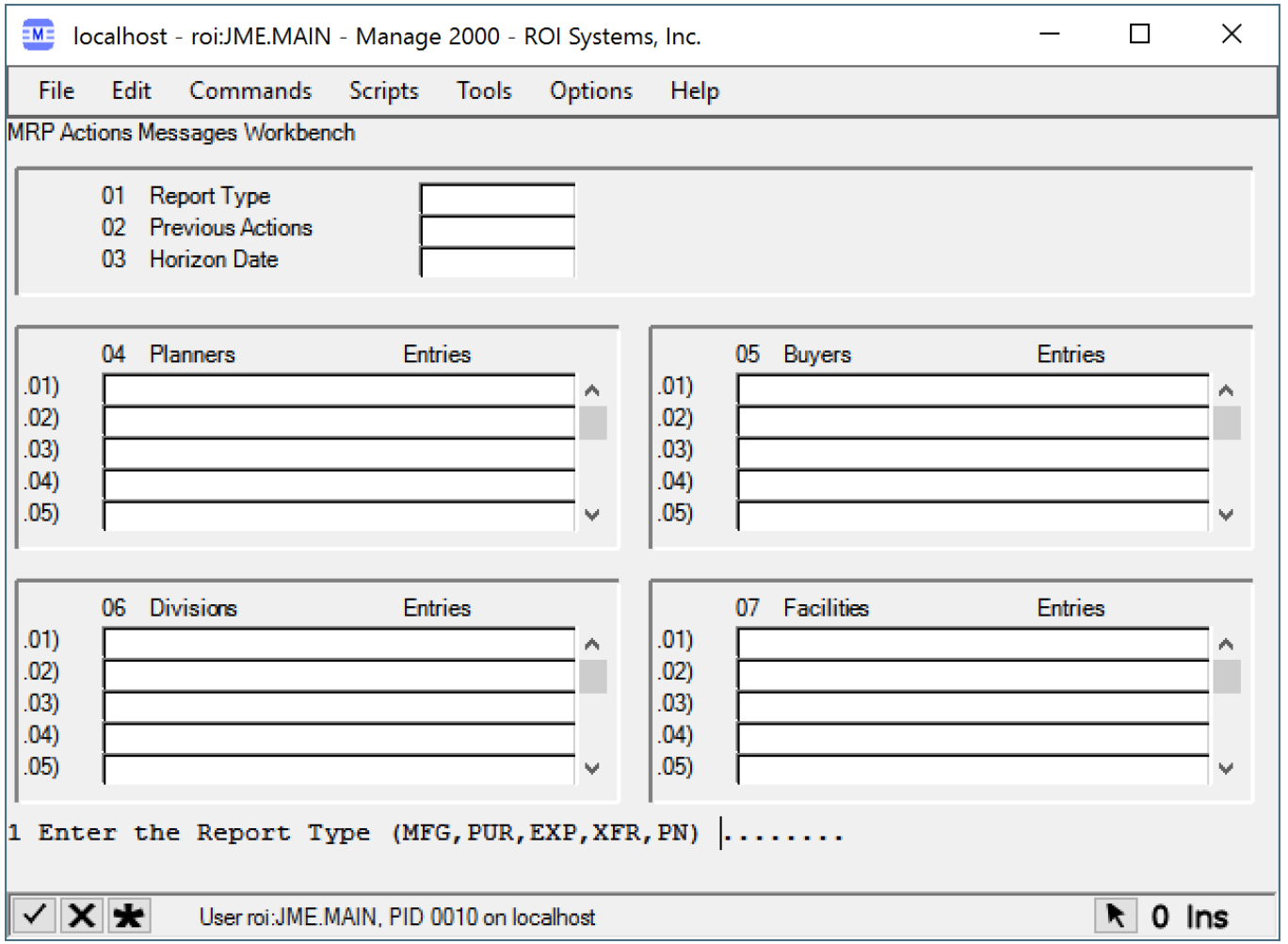
- MRP Process uses item information in conjunction with a part's bill to plan for independent requirements (sales, forecast, MPS, safety stock, or TPOPs)
- For purchased parts, planned POs or requisitions are created
- For manufactured parts, plans are created
- For transfer parts, planned MTOs are created
- MRP gives messages for existing POs, MTOs, or Work Orders that need to be changed
- Items that have MRP errors are skipped

MRP ERRORS

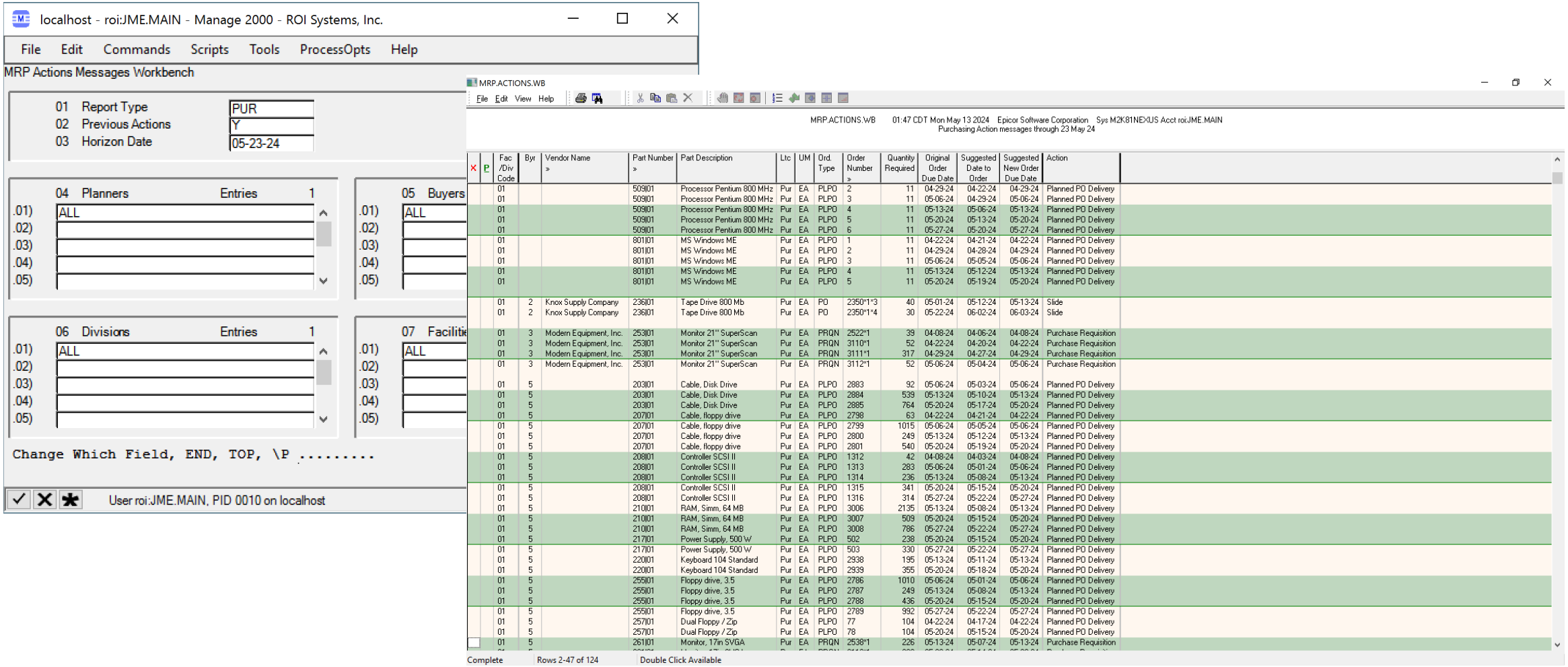
- MRP Errors are produced when an item indicates it should be planned but it cannot be planned
  - Common errors
    - Item Engineering status does not allow MRP
    - Item has no lead time (a zero lead time is acceptable)
    - Manufactured item is missing a bill
- Error report is printed and should be reviewed

MRP.ACTIONS.WB

- Interactive MRP task processor



MRP.ACTIONS.WB – PUR OPTION



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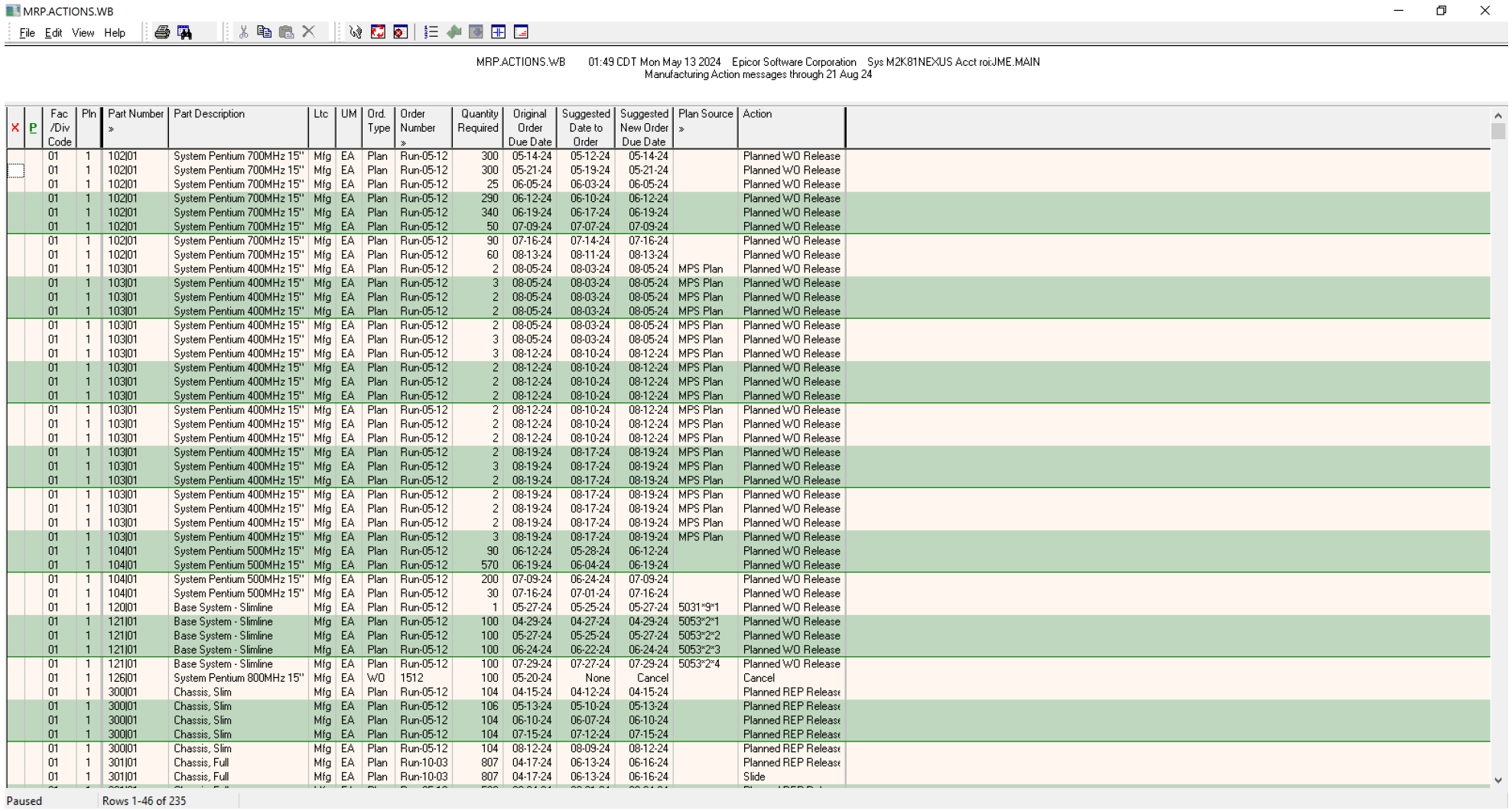
MRP.ACTIONS.WB – MFG OPTION



X	P	Fac /Div Code	Pln	Part Number »	Part Description	Ltc	UM	Ord. Type	Order Number »	Quantity Required	Original Order Due Date	Suggested Date to Order	Suggested New Order Due Date	Plan Source »	Action
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	300	05-14-24	05-12-24	05-14-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	300	05-21-24	05-19-24	05-21-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	25	06-05-24	06-03-24	06-05-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	290	06-12-24	06-10-24	06-12-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	340	06-19-24	06-17-24	06-19-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	50	07-09-24	07-07-24	07-09-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	90	07-16-24	07-14-24	07-16-24		Planned WO Release
		01	1	102|01	System Pentium 700MHz 15"	Mfg	EA	Plan	Run-05-12	60	08-13-24	08-11-24	08-13-24		Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-05-24	08-03-24	08-05-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	3	08-05-24	08-03-24	08-05-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-05-24	08-03-24	08-05-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-05-24	08-03-24	08-05-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-05-24	08-03-24	08-05-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	3	08-05-24	08-03-24	08-05-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	3	08-12-24	08-10-24	08-12-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-12-24	08-10-24	08-12-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-12-24	08-10-24	08-12-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-12-24	08-10-24	08-12-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-12-24	08-10-24	08-12-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-12-24	08-10-24	08-12-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-19-24	08-17-24	08-19-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	3	08-19-24	08-17-24	08-19-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-19-24	08-17-24	08-19-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-19-24	08-17-24	08-19-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	2	08-19-24	08-17-24	08-19-24	MPS Plan	Planned WO Release
		01	1	103|01	System Pentium 400MHz 15"	Mfg	EA	Plan	Run-05-12	3	08-19-24	08-17-24	08-19-24	MPS Plan	Planned WO Release
		01	1	104|01	System Pentium 500MHz 15"	Mfg	EA	Plan	Run-05-12	90	06-12-24	05-28-24	06-12-24		Planned WO Release
		01	1	104|01	System Pentium 500MHz 15"	Mfg	EA	Plan	Run-05-12	570	06-19-24	06-04-24	06-19-24		Planned WO Release
		01	1	104|01	System Pentium 500MHz 15"	Mfg	EA	Plan	Run-05-12	200	07-09-24	06-24-24	07-09-24		Planned WO Release
		01	1	104|01	System Pentium 500MHz 15"	Mfg	EA	Plan	Run-05-12	30	07-16-24	07-01-24	07-16-24		Planned WO Release
		01	1	120|01	Base System - Slimline	Mfg	EA	Plan	Run-05-12	1	05-27-24	05-25-24	05-27-24	5031*9*1	Planned WO Release
		01	1	121|01	Base System - Slimline	Mfg	EA	Plan	Run-05-12	100	04-29-24	04-27-24	04-29-24	5053*2*1	Planned WO Release
		01	1	121|01	Base System - Slimline	Mfg	EA	Plan	Run-05-12	100	05-27-24	05-25-24	05-27-24	5053*2*2	Planned WO Release
		01	1	121|01	Base System - Slimline	Mfg	EA	Plan	Run-05-12	100	06-24-24	06-22-24	06-24-24	5053*2*3	Planned WO Release
		01	1	121|01	Base System - Slimline	Mfg	EA	Plan	Run-05-12	100	07-29-24	07-27-24	07-29-24	5053*2*4	Planned WO Release
		01	1	126|01	System Pentium 800MHz 15"	Mfg	EA	WO	1512	100	05-20-24	None	Cancel		Cancel
		01	1	300|01	Chassis, Slim	Mfg	EA	Plan	Run-05-12	104	04-15-24	04-12-24	04-15-24		Planned REP Release
		01	1	300|01	Chassis, Slim	Mfg	EA	Plan	Run-05-12	106	05-13-24	05-10-24	05-13-24		Planned REP Release
		01	1	300|01	Chassis, Slim	Mfg	EA	Plan	Run-05-12	104	06-10-24	06-07-24	06-10-24		Planned REP Release
		01	1	300|01	Chassis, Slim	Mfg	EA	Plan	Run-05-12	104	07-15-24	07-12-24	07-15-24		Planned REP Release
		01	1	300|01	Chassis, Slim	Mfg	EA	Plan	Run-05-12	104	08-12-24	08-09-24	08-12-24		Planned REP Release
		01	1	301|01	Chassis, Full	Mfg	EA	Plan	Run-10-03	807	04-17-24	06-13-24	06-16-24		Planned REP Release
		01	1	301|01	Chassis, Full	Mfg	EA	Plan	Run-10-03	807	04-17-24	06-13-24	06-16-24		Slide

Paused Rows 1-46 of 235

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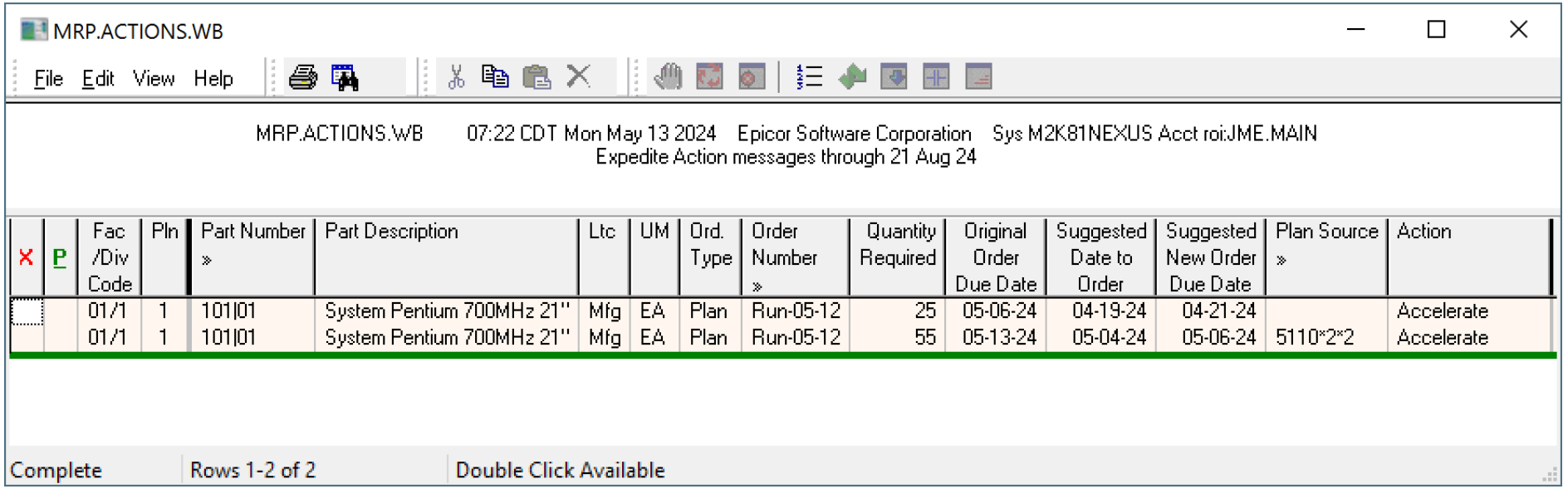
MRP.ACTIONS.EXP

- Expedites only
- Often used as a priority list

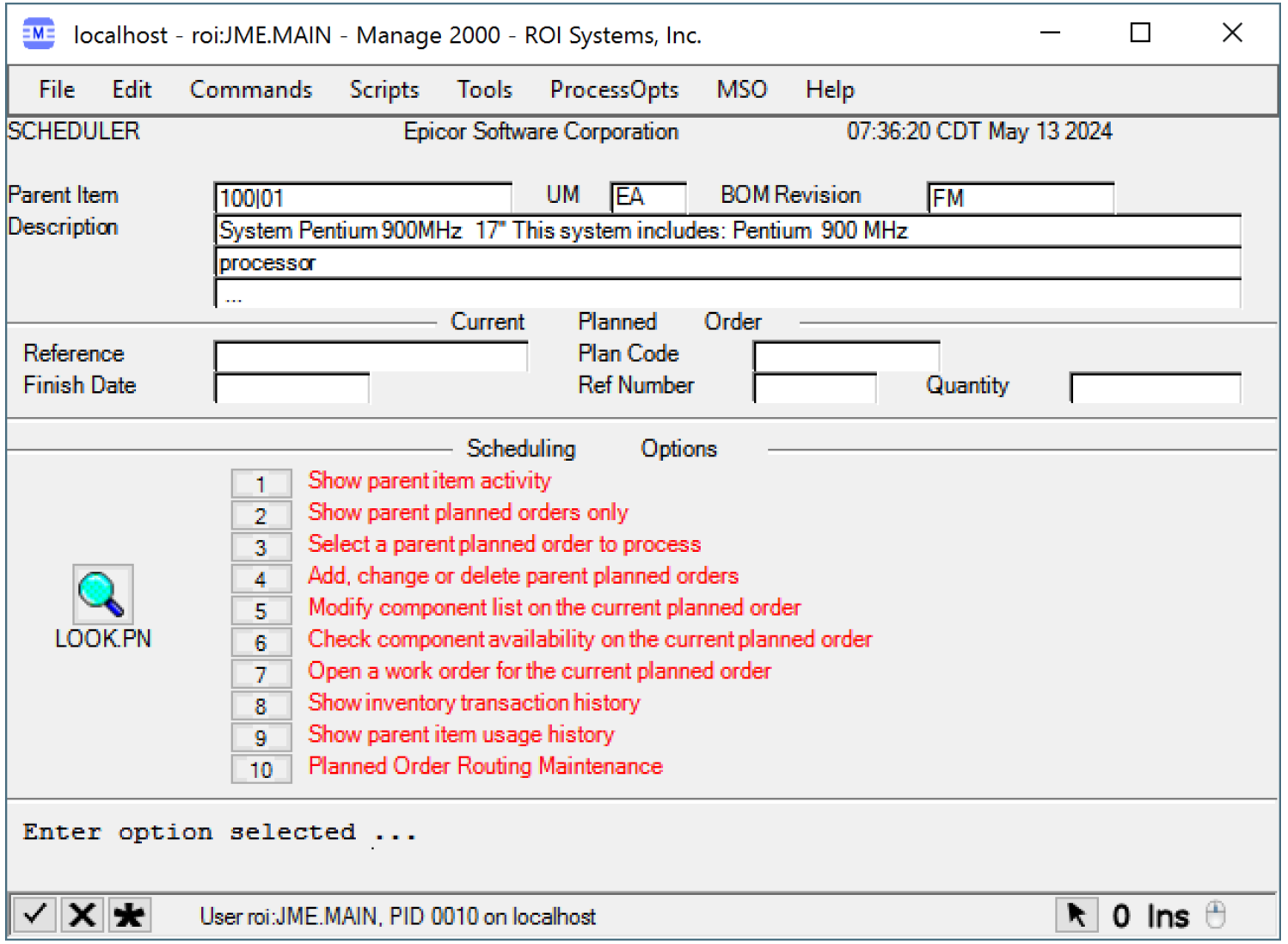


X	P	Fac /Div Code	Pln	Part Number »	Part Description	Ltc	UM	Ord. Type	Order Number »	Quantity Required	Original Order Due Date	Suggested Date to Order	Suggested New Order Due Date	Plan Source »	Action
		01/1	1	101|01	System Pentium 700MHz 21"	Mfg	EA	Plan	Run-05-12	25	05-06-24	04-19-24	04-21-24		Accelerate
		01/1	1	101|01	System Pentium 700MHz 21"	Mfg	EA	Plan	Run-05-12	55	05-13-24	05-04-24	05-06-24	5110*2*2	Accelerate

MRP.ACTIONS ERROR MESSAGES AND ACTIONS

- Planned XXX Release
  - MFG plans and SCHEDULER
  - MTO – via MTO.ENTRY
  - Purchase Orders
    - Plans acted upon through PURCHASE
    - Requisitions converted to POs
- Cancel – Current on hand or firmed releases mean order is no longer needed
  - For a PO, check with vendor to see if order can be removed
  - For Work Order, check if order has been started
- Slide – Order is still needed but can moved to a later date
- Accelerate – Order is needed sooner than scheduled date to avoid shortages

MRP.ACTIONS SCHEDULER



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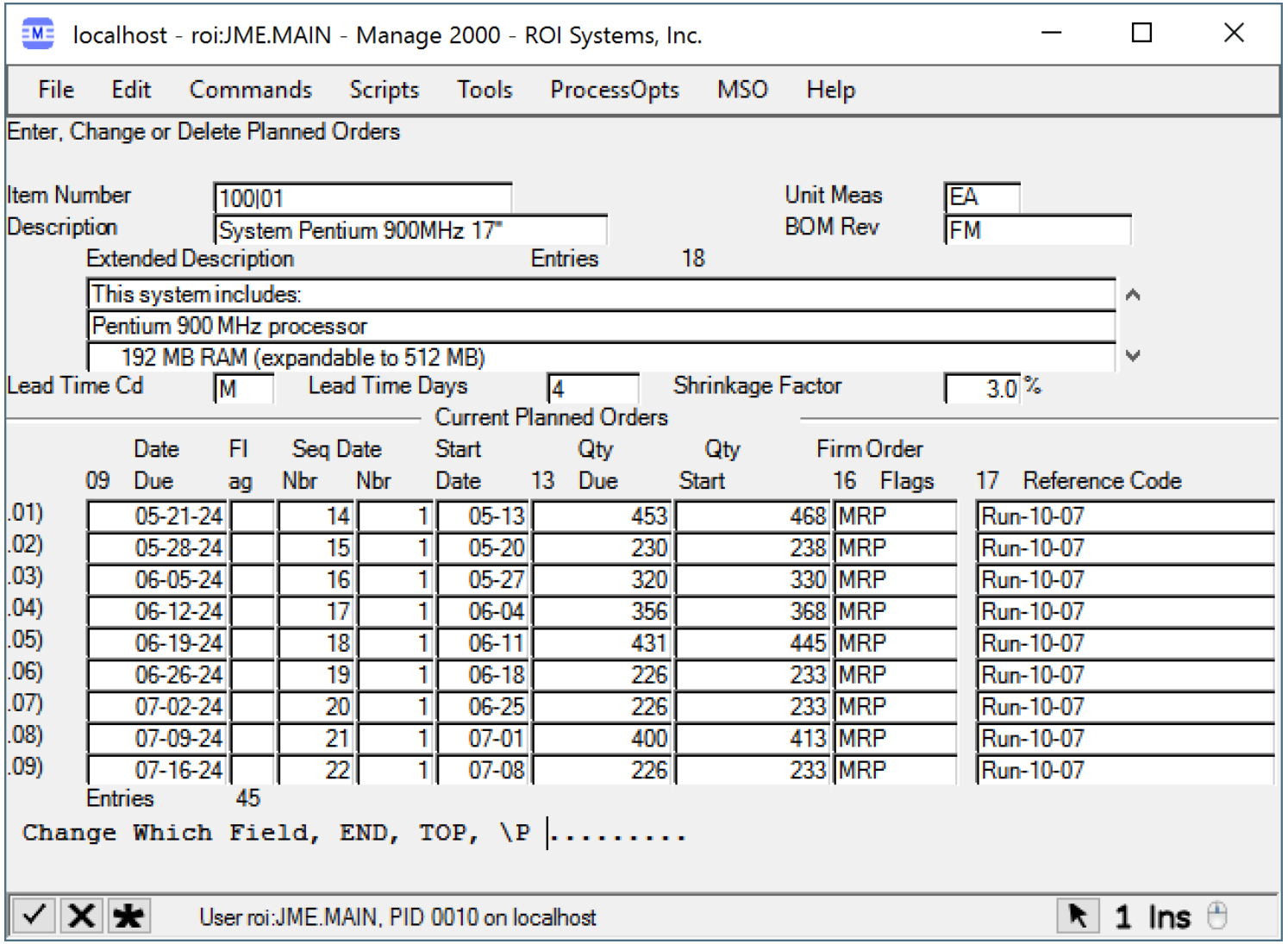

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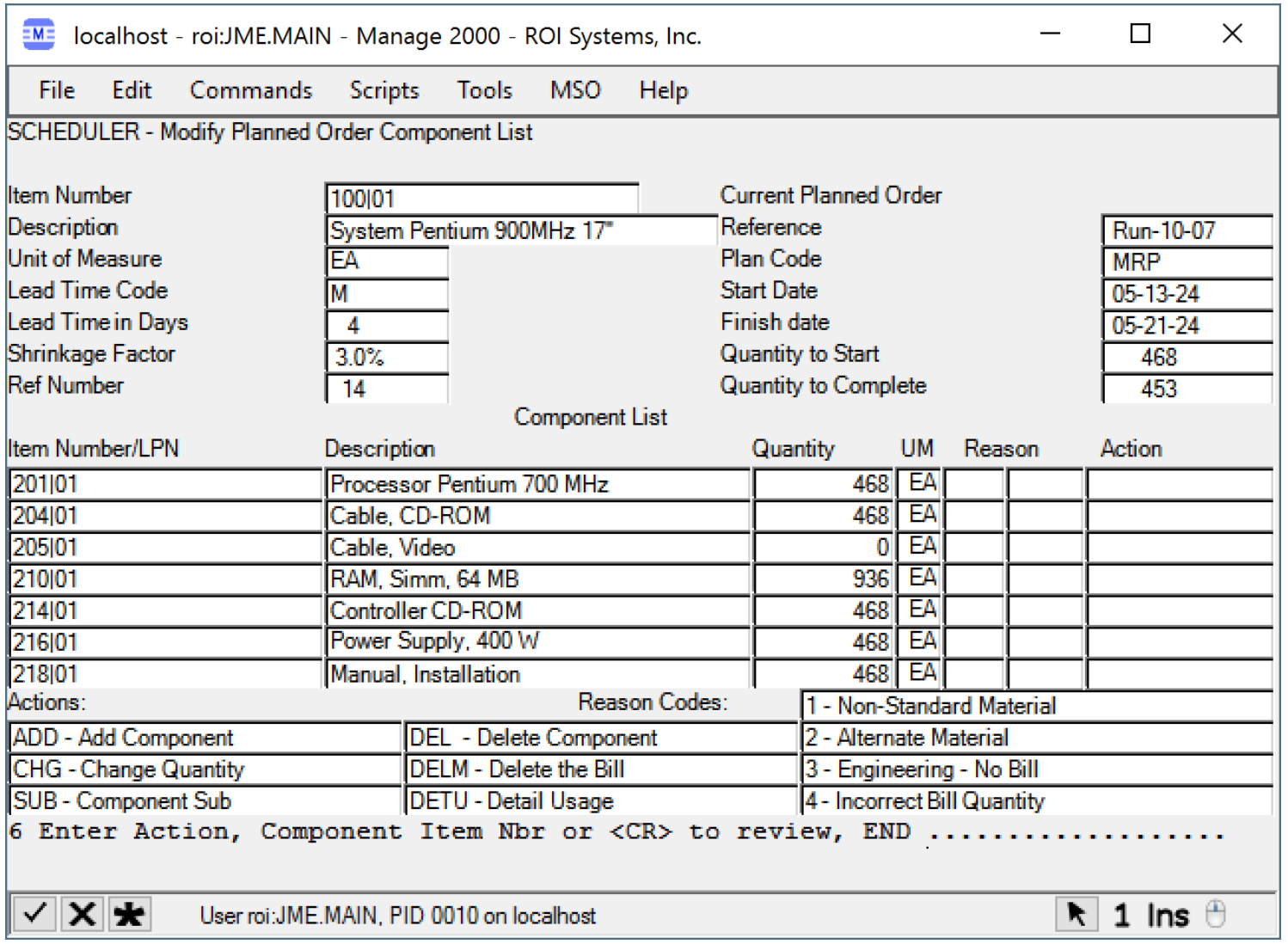

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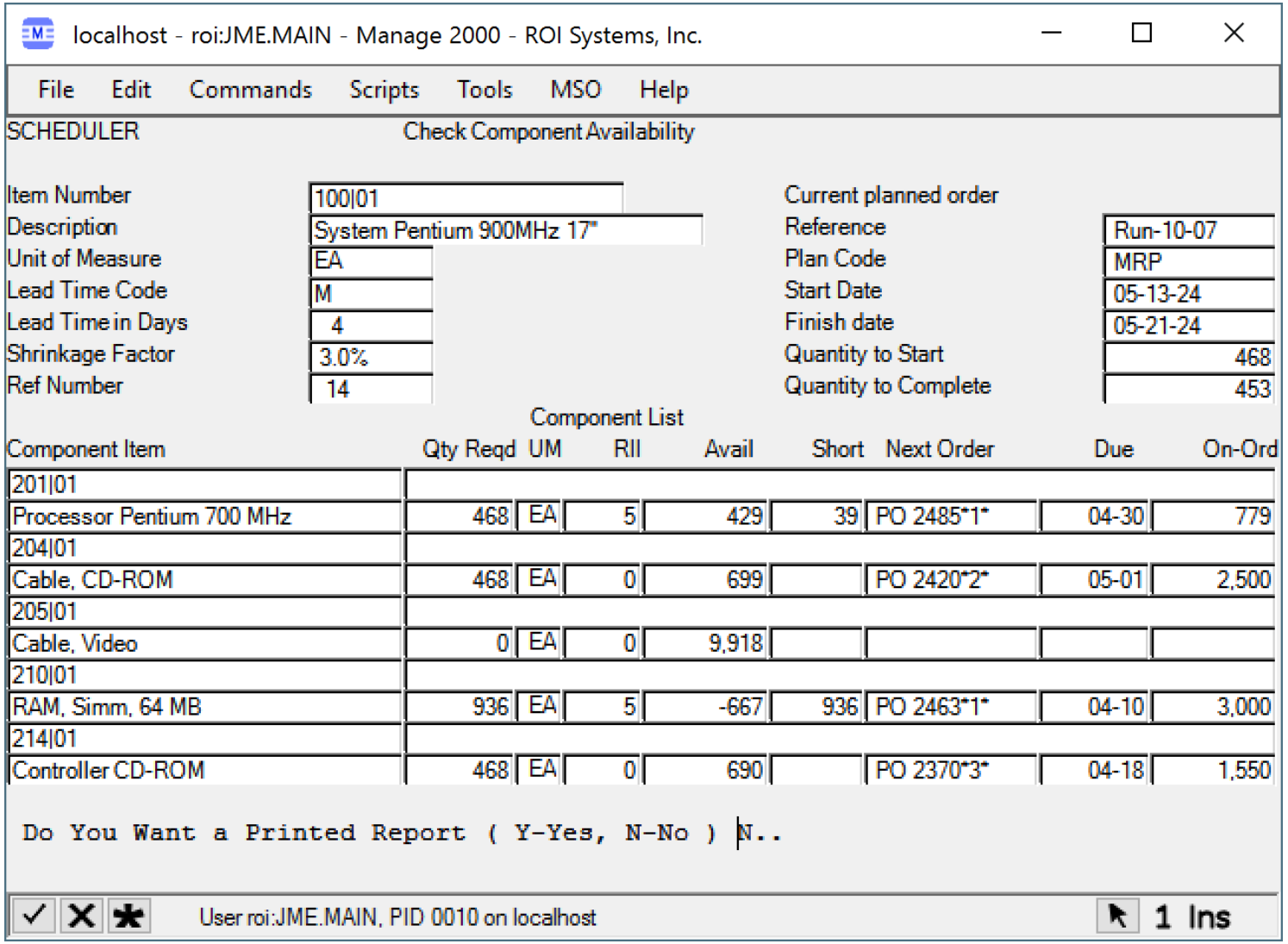

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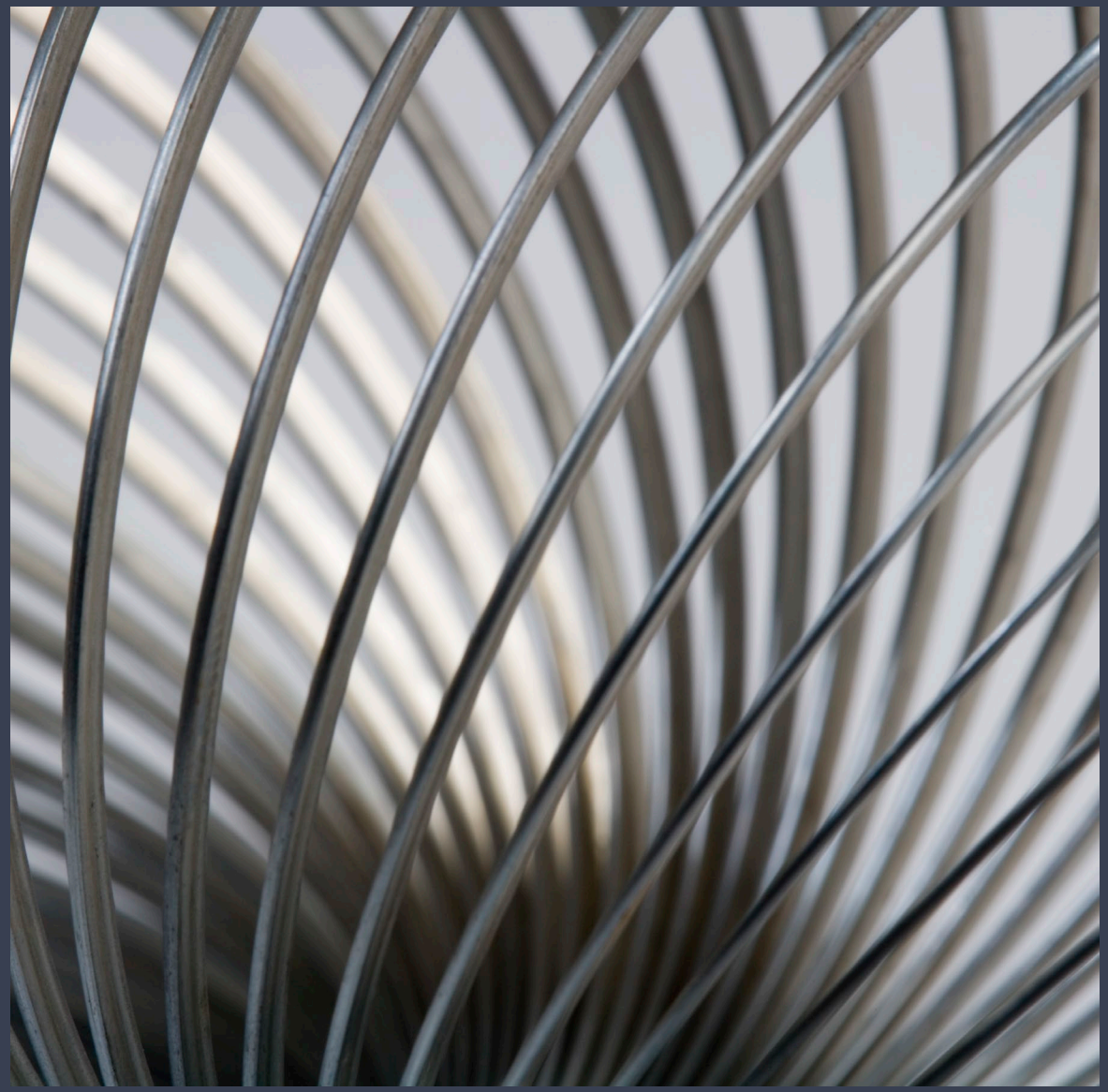
THANK YOU



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