

Production Confirmation UI Flow

Complete frontend user journey for production confirmation in the MES system.

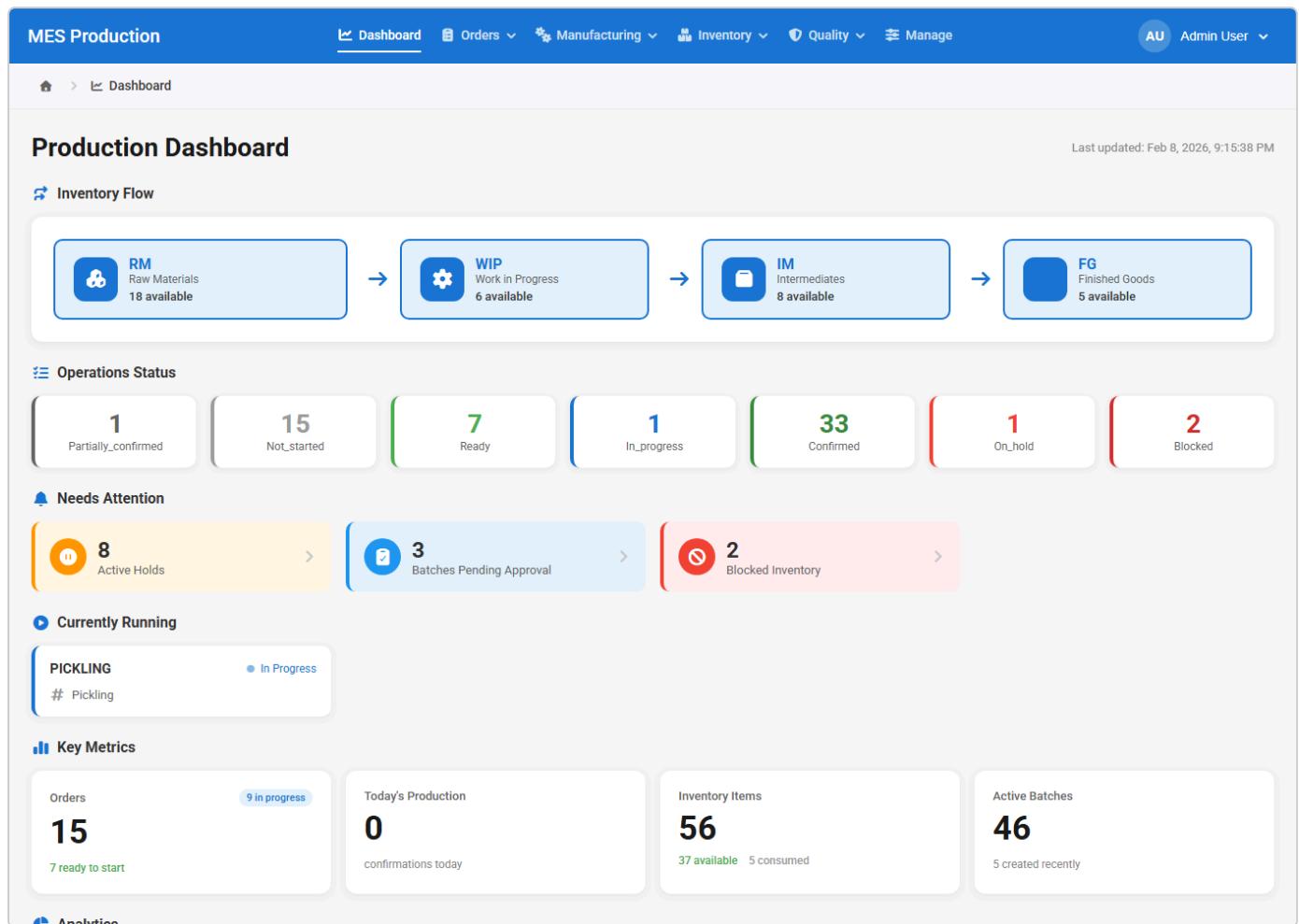
Overview: Operation-Level Confirmation

Production confirmation operates at the **Operation level**, not the Order or Line Item level.

```
Order (ORD-2026-001)
└── LineItem 1: HR-COIL-2MM (150T)
    ├── Op 1: Scrap Charging → Confirmation #1
    ├── Op 2: Melting      → Confirmation #2
    ├── Op 3: Casting      → Confirmation #3
    └── Op 4: Hot Rolling   → Confirmation #4
└── LineItem 2: HR-COIL-3MM (50T)
    └── Operations 1-4     → Confirmations #5-8
```

Screen 1: Dashboard - Operations Status

Route: /#/dashboard



The screenshot shows the MES Production Dashboard. At the top, there's a navigation bar with 'MES Production' and links for 'Dashboard', 'Orders', 'Manufacturing', 'Inventory', 'Quality', and 'Manage'. A user icon 'AU Admin User' is also present. Below the navigation, a breadcrumb trail shows 'Home > Dashboard'. The main area is titled 'Production Dashboard' and includes a timestamp 'Last updated: Feb 8, 2026, 9:15:38 PM'. The dashboard features several sections: 'Inventory Flow' showing a sequence from Raw Materials (18 available) through WIP (6 available), IM (8 available), to FG (5 available); 'Operations Status' showing counts for Partially_confirmed (1), Not_started (15), Ready (7), In_progress (1), Confirmed (33), On_hold (1), and Blocked (2); 'Needs Attention' alerts for Active Holds (8), Batches Pending Approval (3), and Blocked Inventory (2); 'Currently Running' tasks for PICKLING (# Pickling); and 'Key Metrics' for Orders (15, 7 ready to start), Today's Production (0 confirmations today), Inventory Items (56, 37 available, 5 consumed), and Active Batches (46, 5 created recently). An 'Analytics' section is also partially visible at the bottom.

Shows: Inventory Flow (RM→WIP→IM→FG), Operations Status counts, Needs Attention alerts.

Screen 2: Orders List

Route: /#/orders

[Home](#) > [Orders](#)

Production Orders

[+ New Order](#)

Search orders...

Status: All

Order Number	Customer	Product	Quantity	Status	Order Date	Actions
ORD-2026-015	Nordic Steel Trading AB	Steel Billet 100mm	250	BLOCKED	Feb 5, 2026	View Edit
ORD-2026-014	Pacific Metal Works	Cold Rolled Sheet 1mm	90	CANCELLED	Feb 4, 2026	View Edit
ORD-2026-013	Global Manufacturing Ltd	Hot Rolled Coil 4mm	180	COMPLETED	Feb 3, 2026	View Edit
ORD-2026-012	ABC Steel Corporation	Reinforcement Bar 12mm	180	COMPLETED	Feb 2, 2026	View Edit
ORD-2026-011	Oceanic Metals Ltd	Cold Rolled Sheet 2mm	260	IN PROGRESS	Feb 1, 2026	View Edit
ORD-2026-010	African Mining Corp	Steel Billet 100mm	600	CREATED	Jan 31, 2026	View Edit
ORD-2026-009	South American Steel SA	Hot Rolled Coil 3mm	350	CREATED	Jan 30, 2026	View Edit
ORD-2026-008	Asian Electronics Inc	Hot Rolled Coil 2mm	60	ON HOLD	Jan 28, 2026	View Edit
ORD-2026-007	Middle East Metals FZE	Cold Rolled Sheet 1mm	120	CREATED	Jan 25, 2026	View Edit
ORD-2026-006	Nordic Steel Trading AB	Reinforcement Bar 10mm	450	CREATED	Jan 22, 2026	View Edit
ORD-2026-005	European Auto Parts GmbH	Hot Rolled Coil 2mm	75	COMPLETED	Jan 20, 2026	View Edit
ORD-2026-004	Pacific Metal Works	Hot Rolled Coil 2mm	230	CREATED	Jan 18, 2026	View Edit
ORD-2026-003	BuildRight Construction	Reinforcement Bar 10mm	300	IN PROGRESS	Jan 15, 2026	View Edit
ORD-2026-002	Global Manufacturing Ltd	Cold Rolled Sheet 1mm	120	IN PROGRESS	Jan 12, 2026	View Edit

Status	Description	Can Confirm?
CREATED	New order	No
IN PROGRESS	Active production	Yes (READY ops)
COMPLETED	All done	No
ON HOLD / BLOCKED	Blocked	No

Screen 3: Order Detail with Line Items

Route: /#/orders/{orderId}

The screenshot shows the 'MES Production' application interface. At the top, there's a navigation bar with links for Dashboard, Orders (selected), Manufacturing, Inventory, Quality, and Manage. A user profile 'AU Admin User' is also at the top right. Below the navigation, a breadcrumb trail shows 'Home > Orders > Order #1'. On the left, a 'Back to Orders' button is available. On the right, an 'Edit Order' button is present. The main content area displays an order header: 'Order: ORD-2026-001' (status: IN PROGRESS), 'Customer: ABC Steel Corporation', and 'Order Date: Jan 10, 2026'. A large section labeled 'Process Flow' is currently empty. Below this, two line items are listed: 'Hot Rolled Coil 2mm' (quantity 150 T, delivery Feb 15, 2026) and 'Hot Rolled Coil 3mm' (quantity 50 T, delivery Feb 20, 2026). Each line item includes its SKU.

Product	Quantity	Delivery Date
Hot Rolled Coil 2mm	150 T	Feb 15, 2026
Hot Rolled Coil 3mm	50 T	Feb 20, 2026

Shows: Order header, Line items with products/quantities, Process flow for each line item.

Screen 4: Production Confirmation Landing

Route: /#/production

[Home](#) > [Production](#)

Production Confirmation

[View History](#)

Select Order & Operation

Order

- Select an Order -

Available for Production

7

Orders

7

Ready Operations

Select Order & Operation dropdowns. Shows: 7 Orders available, 7 Ready Operations.

Screen 5: Production Confirmation Form

Route: /#/production/confirm/{operationId}

MES Production Dashboard Orders Manufacturing Inventory Quality Manage AU Admin User

Home > Production > Confirm

Production Confirmation

[Back to Order](#) [Apply Hold](#)

Operation Details

OPERATION	Scrap Charging (MELT-CHRG)	TYPE	FURNACE	STATUS	CONFIRMED
PRODUCT	Hot Rolled Coil 2mm (HR-COIL-2MM)	ORDER QUANTITY	150	STAGE	Hot Rolled Coil Production

Production Time

Start Time *	08-02-2026 21:17	End Time *	08-02-2026 21:17
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End time must be after start time

Production Quantities

Quantity Produced *	150	Quantity Scrapped	0
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Total Production: 150 Yield: 100%

Good (>=95%) Warning (80-95%) Critical (<80%)

Material Consumption

BOM Suggested Consumption

Target Quantity: 150 T Total Required: 147 T

[Select Materials](#) [Apply Suggestions](#)

Form Sections:

- Operation Details:** Name, Type, Product, Order Quantity, Stage
- Production Time:** Start/End time with validation
- Production Quantities:** Produced, Scrapped, Yield indicator
- Material Consumption:** Select materials, BOM suggestions
- Equipment & Operator:** Filtered dropdowns
- Process Parameters:** Dynamic fields (Temperature, Power, Speed)
- Delay Tracking:** Reason, duration, comments
- Output Batch:** Auto-generated batch number

Yield Indicator: ● ≥95% Good | ● 80-95% Warning | ● <80% Critical

Screen 6: Batches List

Route: /#/batches

Batch Number	Material ID	Quantity	UoM	State	Created	Actions
B-IM-011	IM-PICKLED	85	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-IM-012	IM-CR-STRIP	80	T	PRODUCED		<button>View</button> <button>Approve</button> <button>Reject</button> <button>Edit</button> <button>Delete</button>
B-IM-013	IM-ANNEALED	75	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-IM-014	IM-ROLLED-BAR	190	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-IM-015	IM-LIQUID	130	T	PRODUCED		<button>View</button> <button>Approve</button> <button>Reject</button> <button>Edit</button> <button>Delete</button>
B-IM-016	IM-SLAB	125	T	PRODUCED		<button>View</button> <button>Approve</button> <button>Reject</button> <button>Edit</button> <button>Delete</button>
B-FG-001	FG-HR-2MM	75	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-FG-002	FG-CR-1MM	70	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-FG-003	FG-REBAR-10	180	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-FG-004	FG-HR-2MM	120	T	AVAILABLE		<button>View</button> <button>Edit</button> <button>Delete</button>
B-FG-005	FG-REBAR-10	175	T	PRODUCED		<button>View</button> <button>Approve</button> <button>Reject</button> <button>Edit</button> <button>Delete</button>
B-IM-018	IM-BILLET	60	T	QUALITY PENDING		<button>View</button> <button>Approve</button> <button>Reject</button> <button>Edit</button> <button>Delete</button>
B-RM-019	RM-SCRAP-A	100	T	BLOCKED		<button>View</button> <button>Edit</button> <button>Delete</button>
B-IM-017	IM-SLAB	45	T	BLOCKED		<button>View</button> <button>Edit</button> <button>Delete</button>

Columns: Batch Number, Material ID, Quantity, State (AVAILABLE/PRODUCED/CONSUMED/QUALITY_PENDING), Actions.

Screen 7: Batch Genealogy (Traceability)

Route: /#/batches/{batchId}

MES Production

Dashboard Orders Manufacturing Inventory Quality Manage AU Admin User

Batches Batch #1

[← Back to Batches](#)

Batch Information

BATCH NUMBER B-RM-001	MATERIAL ID RM-SCRAP-A	QUANTITY 500 T
STATUS AVAILABLE	CREATED	

Batch Genealogy (Traceability)

Visual Genealogy

B-RM-001 (500T)
Material: RM-SCRAP-A

B-IM-001 (Qty: 165 T)

B-IM-006 (Qty: 85 T)

B-IM-003 (Qty: 90 T)

Visual genealogy tree showing parent-child batch relationships.



Relationship types: CONSUME, MERGE, SPLIT

Screen 8: Production History

Route: /#/production/history

MES Production [Dashboard](#) [Orders](#) [Manufacturing](#) [Inventory](#) [Quality](#) [Manage](#) AU Admin User

Home > Production > History

Production History

Status: All Statuses Search: Search by operation, batch, notes...

35	35	0	0				
TOTAL	CONFIRMED	PENDING REVIEW	REJECTED				
ID	Operation	Output Batch	Produced Qty	Scrap Qty	Duration	Status	Created
35	Pickling	-	90	2	3h 0m	CONFIRMED	-
34	Scrap Charging	-	125	5	4h 0m	CONFIRMED	-
33	Scrap Charging	-	85	2	4h 0m	CONFIRMED	-
32	Cooling & Coiling	-	118	0	1h 30m	CONFIRMED	-
31	Finish Rolling	-	118	2	2h 30m	CONFIRMED	-
30	Rough Rolling	-	120	2	2h 30m	CONFIRMED	-
29	Slab Reheating	-	122	0	3h 0m	CONFIRMED	-
28	Slab Casting	-	122	3	8h 0m	CONFIRMED	-
27	Ladle Refining	-	125	2	3h 0m	CONFIRMED	-
26	EAF Melting	-	127	3	6h 30m	CONFIRMED	-
25	Scrap Charging	-	130	2	4h 0m	CONFIRMED	-
24	Quenching & Tempering	-	175	0	1h 30m	CONFIRMED	-

Summary: 35 Total | 35 Confirmed | 0 Pending Review | 0 Rejected

Columns: ID, Operation, Output Batch, Produced Qty, Scrap Qty, Duration, Status, Created

Status Flow Diagrams

Operation Status:
NOT_STARTED → READY → IN_PROGRESS → CONFIRMED
↓ ↓
ON_HOLD ↔ BLOCKED

Batch Status:
PRODUCED → QUALITY_PENDING → AVAILABLE → CONSUMED
→ BLOCKED → SCRAPPED

Key Points

- Granular:** Each operation confirmed individually
- Sequential:** Operations follow routing sequence
- Traceable:** Every confirmation creates batch genealogy
- Quality Gates:** Batches can require QC approval
- BOM Integration:** Suggested consumption from Bill of Materials
- Yield Tracking:** Visual efficiency indicator

7. Audit Trail: Full logging of all confirmations

MES Production Confirmation POC | Generated: 2026-02-08