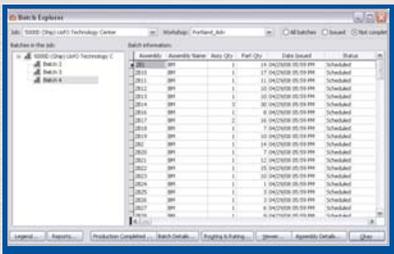
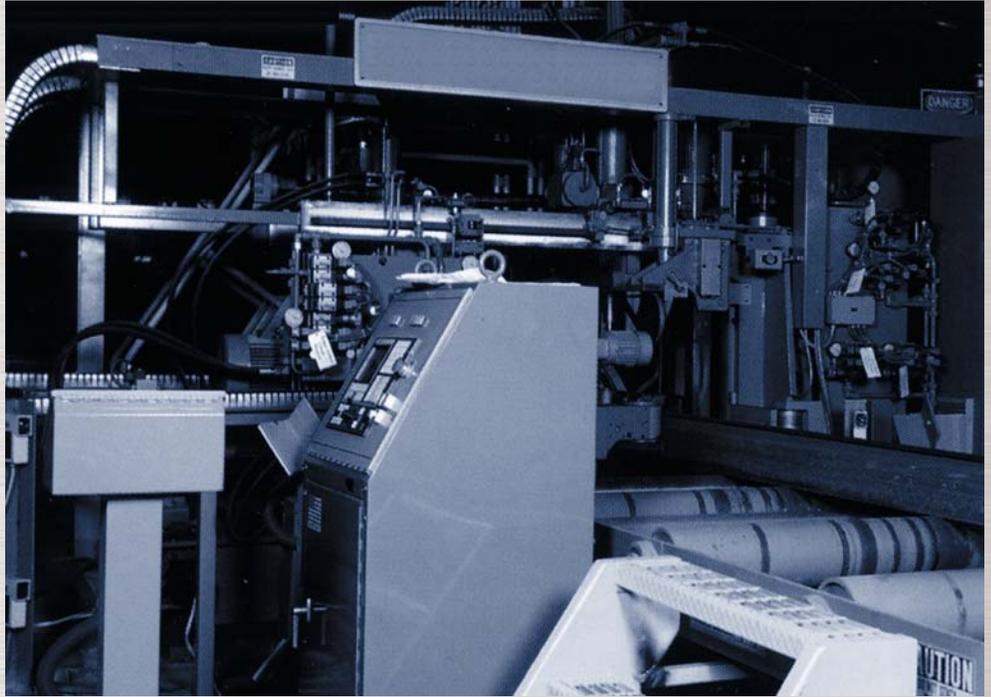


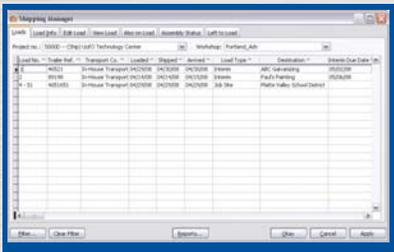
# Advanced Production & Shipping

*“100% of our production is now managed by FabTrol. The software and associated services provided have exceeded our expectations.”*

*Simon Bingham  
Managing Director  
Caunton Engineering  
Nottingham, England*



The **Batch Explorer** window displays full details and current status information for all batches of work currently in production.



The **Shipping Manager** window shows the details of all loads defined for each job. You can also quickly check the production status for each load or see what's left to load.

## Manage more effectively with integrated production and shipping

FOR A STEEL FABRICATOR working a large contract with multiple delivery milestones, nothing matters so much as the status of production. Has the material been ordered and received? Have the drawings been delivered to the shop? Have the parts been made and assembled? Has the load been staged or sent to the jobsite?

For companies with sophisticated management needs, FabTrol MRP offers a special advanced production method. Beyond simple waypoint tracking, this functionality manages each step of the production process—from the first release of shop drawings to the departure of the last trailer.

### **Automated routing**

With the advanced production system, you can assign groups of drawings to specific shops or subcontractors. The program then determines which work areas should fabricate each part and assembly. These routing decisions are controlled by custom rules that you define and can take advantage of imported CNC data, if available, to

accommodate hole counts, contours, and other part requirements. The routing process also applies time standards to calculate the expected time required to complete the work.

### **Batch management**

Next, you can batch parts together for efficient fabrication, adjust the priority of those batches, and prepare nested cut lists for each work area. The system can even translate your imported CNC data and output it in the right format for your shop floor machines.

### **Progress tracking**

As you mark tasks as completed, the system instantly updates the status of those assemblies. Powerful progress reporting is just a click away.

### **Integrated shipping**

The shipping functions are integrated with production in both directions. You can plan loads in advance to drive the fabrication process. And you can quickly review the assemblies on any load to see their current production status.

## Advanced production features

### Drawing integration

- Organize projects into erection sequences and lots (subsequences) at the detailing stage or later.
- Import detailed drawings, image files, and CNC instructions from your detailers' software.

### Routing to work areas

- Automatically route parts and assemblies to the appropriate work areas for fabrication.
- Set up and refine custom rules to control these routing decisions.
- Develop and apply time-rating standards to determine how much time the work will take.

### CNC management

- Take advantage of imported CNC data (if available) to route based on holes, contours, and other advanced requirements.
- Set up CNC routing rules even if you do not have CNC equipment.
- Translate CNC data into the specific formats required for your machines.
- Output options include multiple Peddimat® formats, CAD CAD 32® for Controlled Automation, DSTV, BeamDrill®, and others.

### Production batching

- Create production batches to fabricate similar items together for maximum efficiency.
- Automatically include parts nested into the same bars as those in the current batch to avoid unnecessary handling.
- Review your progress by batch in the Batch Explorer window.

### Nested cut lists

- Prepare tightly nested cut lists for each work area, or create one ultra-efficient nesting for each erection sequence, then create sensible batches with that nesting.
- Instantly see the current workload for any work area.

### Progress tracking

- Mark batches as they are completed.
- See what's been done and what is left to do on each active project.
- Check production details in the Production Explorer window.
- Effortlessly provide your clients with up-to-date progress reports.

### Progress tracking with barcoding

- Instantly update production progress from the shop floor.
- Review work in process in real-time.
- Reduce data entry time and errors.

### Shipping features

#### Load planning

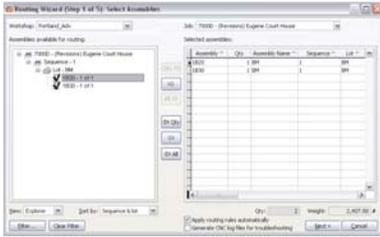
- Use the automated load builder to plan efficient, timely loads.
- Watch the running weight total to avoid overloaded trucks.
- See the total quantity of each mark and how many are on each load.
- Manage fast-tracked projects by defining standards and exceptions, then producing unit-price invoices.

#### Production integration

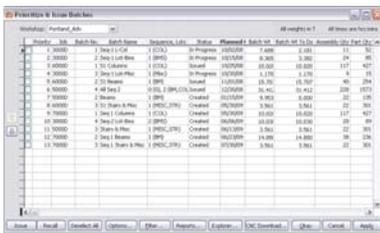
- Plan loads in advance to drive the production process.
- Gain efficiency by managing loads all the way through fabrication.
- Instantly see the status of assemblies assigned to a load—and identify any that are behind schedule.

#### Other features

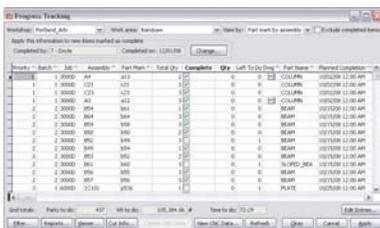
- Load assemblies using barcodes to save time and avoid errors.
- Review details of all loads in a convenient grid view.
- Quickly see when any load was sent to a subcontractor or to the job site.
- Add other items to your loads to track ladders, tools, etc. to the site.
- Take advantage of powerful shipping reports, including bills of lading with project specs and driving instructions, load lists showing production status, and many more.



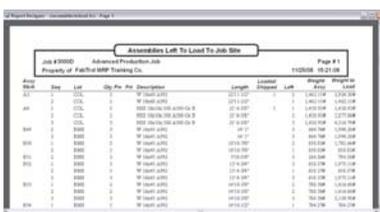
The **Routing Wizard** window routes parts and assemblies to appropriate work areas. It also applies customizable time ratings to determine the approximate time required for fabrication and assembly.



In the **Batch Planner** window, you can set the relative priority of production batches to determine what the shop works on first.



In the **Progress Tracking** window, you can manage and track outstanding tasks by work area.



The integration between production and shipping allows you to closely monitor the production status of each load.



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