

# ambition

A publication for

**AMBiT**  
PROJECTS LIMITED

## New design software..

### An extremely powerful tool for complex design.

Ambit is keeping abreast with advances in CAD software. The recent addition of Inventer 3D digital prototyping software is another advanced tool for our design team. The solid modelling software enables the item to be viewed from all angles.

Clearer presentations of systems will help operators and managers grasp the functions and the layout of equipment more easily. The all angles and zoom facility lets us appear to position the equipment and assess access for maintenance and hygiene.

The software enables sheet metal profiles to be developed, standardised items to be imported from previous designs. A calculation package enables stress and weights to be easily determined.

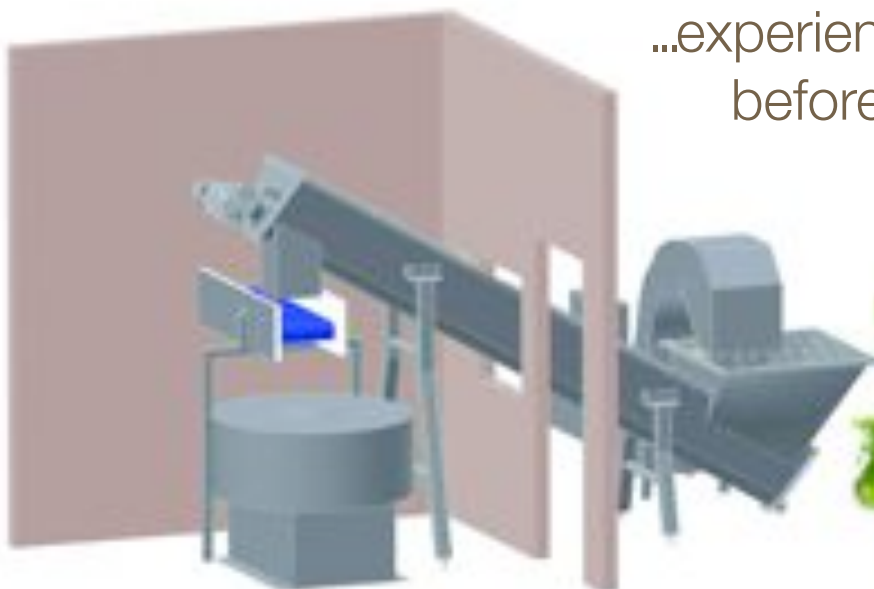


Part design, construction of assemblies and simulating moving parts are important features and when combined with the project documentation it becomes a powerful design and planning tool.

In the hands of our experienced design team the new software is another step in striving to exceed our customers expectations.

The illustrations show a simple screw elevator in exploded and assembled views with the view left showing it installed.

...experience it  
before it's real



**THIS EDITION OF AMBITION INCLUDES:**

Taking the strain out of  
Project Management

**CASE STUDIES FEATURING:**

Cereal Partners, Cheviot Foods  
and Johnson's

Washing your cares away  
with combined batch and  
continuous washing

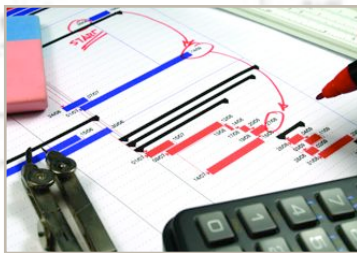
# Let us take the strain out of your projects

## AMBIT PROJECT MANAGEMENT

Ambit Projects assists companies who have no in house project management facilities and those whose capital investments leave their project engineering team too stretched.

We can undertake complete or parts of a project:

- Planning, monitoring and control of project
- Generating specifications
- Problem solving and solutions
- Costing
- Define objects and key issues
- Deadlines
- Turnkey
- Mechanical
- Electrical
- Planning, critical path analysis
- Sourcing equipment
- Linking in with and liaising with third party suppliers



### Services

- Water • Electricity • Air • Steam

### Health and safety

- Hazard analysis • Risk assessments
- Method Statements

### Installation

- Safe contractor accreditation
- Competent installation crews
- Meeting schedules
- Site Rules for Contractors
- Liaison to enable production to continue during installation

### Commissioning

- Testing • Sequencing • Trial runs
- Early production support

### Certification

- Certificates of compliance
- Certificates of incorporation

### Areas of our expertise

- Breakfast cereals • Fruit
- Salad and main crop vegetables • Meat





POTATO PROCESSING EQUIPMENT



ACCESS TO HEATED CIRCULATION MAIN



SERVICE PIPE WORK



HOT WATER COOKERS

## case studies

### Project: Cereal Partners

Along with the supply of a new wheat cooking installation, Ambit Projects were asked to manage the project for the feed and downstream handling of the project.

This included the supply of equipment from other suppliers, liaison with civil and electrical contractors, service pipe work installation and commissioning.

### Project: Cheviot Foods

The introduction of size grading into an essential part of their potato products line, at a time when all in house resources were committed, made Cheviot turn to Ambit Projects for assistance.

Ambit took the original concept for line modifications and provided detail designs to enable all equipment to fit into the confined space.

The original line functions were to be retained while housing the additions. Access for operators and hygiene were important considerations.

The project needed to be completed within a short shutdown period requiring site crews to work to a tight schedule.

### Project: Johnson's

When planning a new fruit juice factory Ambit Projects were asked to look at the feed of the raw fruit to the juice extraction equipment. The project needed accurate layout drawings to house crate unloaders, even feeds, washing, size grading, heavy support structures, and waste disposal.

Ambit's layout included planning of the internal walls, drains & doorways for the area.





# Washing your cares away



WASHER & FEED

## Combined batch & continuous washing

For most products the system is used as a continuous flume. The spray bar on the feed conveyor provides an initial rinse before discharging the product into the washer.

Most products would receive a wash while passing through the wash tank. Those products requiring a longer dwell time can be retained in the wash tank by closing the discharge gate. When the required time is completed the gate is raised and the discharge pump started.

**Whatever your product Ambit will have the washer for it!**



FLIGHTED BELT DISCHARGE OPTION



FLUME WASHER

Sandwiches, soups, recipe dishes and salads often require a wide range of products to be washed, some of which are small volumes.

An extended dwell time is sometimes required for some products.

Ambit latest continuous washer can also be used to hold a batch to provide that extra time for the wash in treated water.

### System comprises:

Even feed conveyor fitted with fresh water rinse sprays.

Washer with manual drop gate.

Optional automatic chemical dosing.



DEWATERING



TRIM & INSPECTION



MANUAL DISCHARGE GATE



FLUME WASHER



**THE CUSTOM HOUSE** overlooking Kings Lynn Port

Did you know?

**Facts about Kings Lynn our hometown**

We have an historical link to the new world. In 1609 the Pilgrim Fathers left England from the port of Kings Lynn to escape James the First's religious oppression and went to live at Leyden in Holland.

After several years they decided to head for America.

Their other ship the Speedwell proved unseaworthy so they crowded into the Mayflower and left Plymouth in 1620. Their destination was Virginia but bad weather caused them to initially sight Cape Cod in Massachusetts, and it was another month before they landed at what they named New Plymouth.

# AMBiT

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