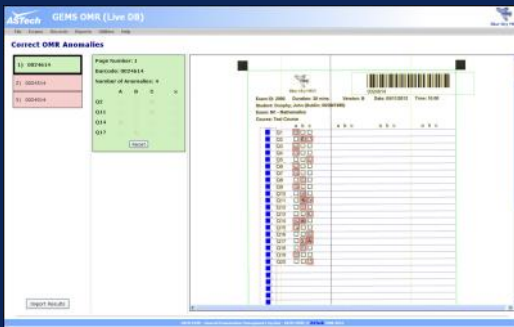


### Key Features

- AUTOMATES THE CORRECTION OF MULTIPLE CHOICE QUESTION EXAMINATIONS
- WORKS WITH STUDENT ANSWER PAPER PRODUCED BY GEMS FAMILY PRODUCTS ON STANDRAD A4 WORKSHEETS—NO REQUIREMENTS FOR SPECIALIST STATIONARY
- FACILITY TO MANUALLY AMEND AMBIGIOUS STUDENT RESPONSE
- OPTIONAL QUICK CORRECT FACILITY
- FULL INTEGRATION WITH OTHER GEMS APPLICATIONS
- AUTOMATIC TRANSFER OF RESULTS INTO THE GEMS DATABASE

GEMS OMR Correction Process



GEMS OMR— Automatic Results



### GEMS OMR

GEMS OMR (Optical Mark Reader) is a web application which can automatically correct candidate answer sheets in multiple choice exams. GEMS OMR can be used to automatically correct exams produced by other GEMS applications such as GEMS Basic, GEMS Type, GEMS Fundamentals and GEMS Pilot Type, which means that results are automatically transferred into the GEMS database.

The OMR software takes as input scanned PDF image files of the candidate answer sheets. The examination details—exam identity and candidate responses—are extracted automatically from the PDF files.

GEMS OMR allows the user to manually correct any anomalies encountered on an answer sheet (as might happen if the candidate has marked more than one answer to a question).

GEMS OMR may also be optionally configured to provide a “quick correct” facility which can provide immediate examination results.

### Functionality

All functions in GEMS OMR are accessed through an intuitive web interface. The processing and export of answer sheets is carried out using a simple wizard style interface.

### Requirements

GEMS OMR is a web application hosted on customer’s corporate intranet.

A multi page sheet feeder scanner device is required —suitable answer sheets may be generated by GEMS Basic using standard A4 paper. The A4 sheets can be printed on an office printer.

### Benefits of GEMS OMR

GEMS OMR offers a simple way to rapidly process multiple choice question type examinations, and export the results to GEMS applications for easy correction and analysis.

No specialised stationary is required. Answer sheets may be printed by GEMS family products on standard A4 paper, reducing the on-going cost of operation. Similarly, no dedicated hardware is required apart from a standard sheet feeding scanner—which is already found in most modern office environments.

### ASTech in the Aviation Industry

Atlantic Simulation & Training Technologies (ASTech) is an internationally trading software company based in Galway, Ireland. The company specializes in products and services for the development and delivery of training and examination systems for industry.

Customers within the aviation industry include international operating aviation training organisations.

Other products include [GEMS Basic](#), [GEMS Type](#), [GEMS Fundamentals](#), [GEMS OMR](#), [GEMS FCL](#), [GEMS PPL](#) and [GEMS Pilot Type](#).