

## Data Analysis and Reporting Software



### Software Description

Envision is a report generation package that completely automates the task of report generation from one of our vision systems.

By allowing users to save common report types, Envision dramatically reduces the amount of time required to create meaningful production and quality reports. Furthermore, Envision's innovative Report Scheduler automates the entire report generation and delivery process.

Scheduled Reports can be created and stored so that critical production reports can be automatically generated, printed and/or emailed to the appropriate personnel. A flexible time/date selection method ensures that any reporting period can be accommodated. Daily, weekly, monthly and even month-to-date formats are all supported. A Shift Report can also be generated through user-defined shift schedules.

Reports are presented in numerical or graphical formats, and include important statistical values such as Cp and Cpk (process capability indexes). Pareto, Operator Comment, and Alarm Summary reports are also available.

The Scorecard report allows users to see an 8-week summary of critical product quality results in one simple, concise report.

### Key Benefits:

- Fully automatic report generation and distribution, including report creation, printing, emailing and archiving to disk
- 'One Click Reports' allows rapid access to frequently-used report types
- Innovative 'Report Scheduler' allows reports to be shared instantly across multiple users via email
- Creates numerical and graphical reports in hard-copy (printer) or soft-copy (PDF) formats, or both
- Generates critical production and quality data such as Overall Reject%, Production Counts and Reject% by Measurement
- Allows production and quality data to be analyzed by product, date/time, and shift
- Automatically generates complex statistical results such as Cp and Cpk
- Allows users to create unlimited scheduled reports, such as
  - Daily Production Reports
  - Monthly Shift Reports
  - Weekly Summaries
  - and many others

### Software Features

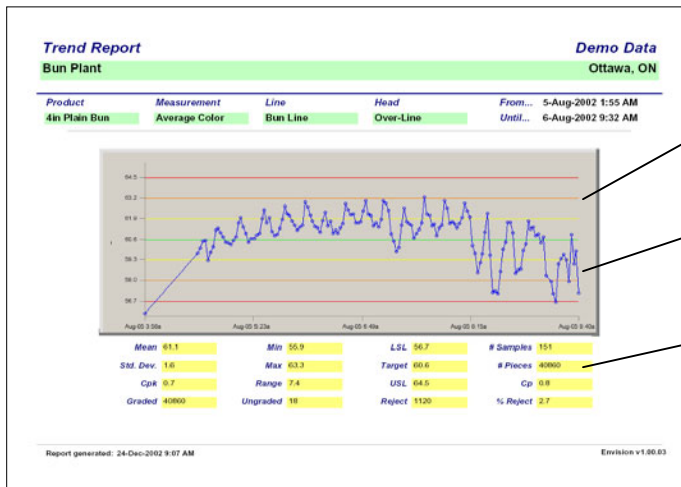
The standard Envision software package has several key features, including:

- A 'Report Wizard', that steps the user through the creation of each new report set
- A user definable report configuration (unlimited number of reports allowed)
- Access to all Montrose system datasets
- User definable time-profiles for specific Shift Reports and specific SKU information
- Integrated email support, allowing reports to be created through an automated scheduler or on demand
- Report set save feature
- Scheduled Automated Reports, allowing reports to be automatically generated and distributed by the system

## Report Description

The 2 reports below show a small sample of the many different types of reports that may be generated in real time, historically or by automated delivery to email, a printer or a file.

### Trend Graph Report: Individual Product/Measurement

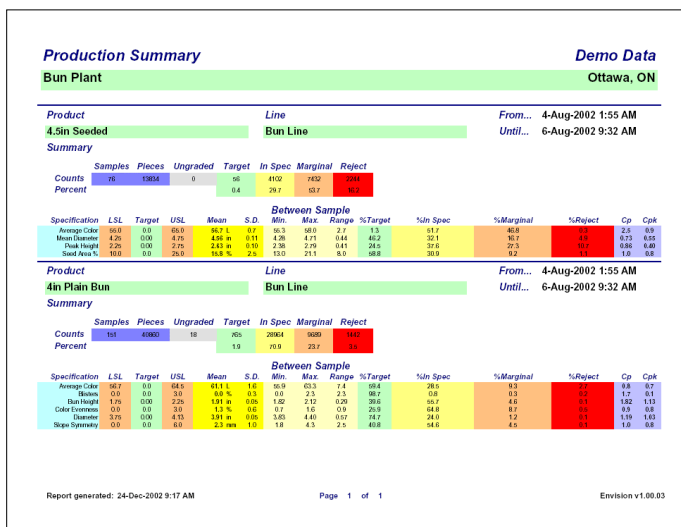


Specification Limits displayed directly on trend graph.

Data displayed in real-time or compressed format.

Numerical summary of measured data is also included.

### Production Report: All Products / Measurements



- **Run Counts/Percent:** Displays the number and % of each quality category (Target, InSpec, Marginal, Reject)
  - Samples: The number of sample points in the report.
  - Pieces: The number of individual products measured in the report period.
- **Specification Summary:** A table that lists all of the measured parameters for the product. Generated data includes:
  - LSL, USL: Lower and Upper Spec Limits
  - Mean: The average of the result
  - S.D.: The standard deviation for the result
  - Min, Max, Range: The minimum and maximum values measured, and the difference between them.
  - %Target, %InSpec, %Marginal, %Reject: The percentage of products that were in each category for each measurement.
- **Process Capability:** Generates the Cp and Cpk indexes for each of the measurement results.