

EST-DUCT

User's Manual

February, 2004 Edition

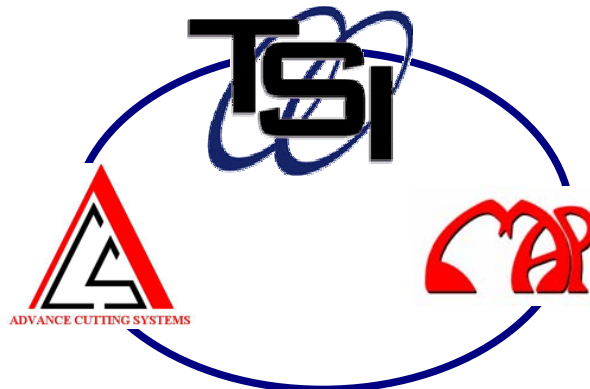
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CAD-DUCT

CAM-DUCT

EST-DUCT

Introduction

Introduction:

EST-Duct, CAM-Duct & CAD-Duct comprise a trilogy of integrated Software Programs which have been designed to support the world wide Ductwork Industry.

A Database of Materials, Connectors, Supports, Stiffeners, Manufacturing Specifications, Price and Labor Information; etc. is common to all 3 Programs.

EST-Duct is a Ductwork Estimating/ Costing Program, which can be used to: -

- Prepare Tenders (Construction Estimates) of items including both Manufactured and Bought out Products.
- Estimate Fittings and Items based on their actual manufacturing material requirements and costs, and produce labor costs for fittings based on detailed tables that allow for specific labor to be applied to each unique fitting as constructed.
- Produce labor costs based on a unique labor value for each actual manufacturing and installation step and use unique labor costs for each step.
- Produce a unique labor cost result based on each unique fitting, its unique material, gage, duct size, connectors, reinforcements, ancillary construction material requirements (ie turning vanes), hangers (supports), length, and resulting weight.
- Perform Comparison Pricing by allowing for a Change of material Suppliers
- Produce Reports of Items needed to be quoted out for a given job.
- Allow for Full (and Customizable) Reporting of Information on each fitting and item in a takeoff, including all true-fabrication information found in the actual Manufacturing Software (CAM-Duct).
- Export complete fitting fabrication and estimating information to excel, and allow for analysis and markup of a job in excel.
- Compare Approved Manufacturing Drawings (CAD-Duct) and/ or manufactured entries for a given job (CAM-Duct) with the original Bid (EST-Duct), both in costs and labor hours and in actual fittings installed versus estimated.
- Automatically Estimate CAD Drawings (CAD-Duct) used for design and estimating of Design-Build Jobs and Change Orders.
- Automatically Estimate each jobs entered in to the CAM-Duct Manufacturing Software as may be done on a job which was a change order or otherwise was taken off or entered by hand.
- Track and Cost Variations.
- Prepare Quotations, Invoices, and Payment Schedules.

For Estimating purposes the Take-off is designed to be very quick and reasonably accurate (more accurate than other systems on the marketplace). For example, the Estimator may choose to only enter the Main Duct End dimensions. EST-Duct can operate in this mode or the User can opt to enter more or all the Duct Dimensions (such as throat extensions, unique radius values, specific offset dimensions, etc) as done in manufacturing or entry of jobs normally in CAM/ manufacturing software alone. In the later case, not only can the Duct be costed but also immediately manufactured using CAM-Duct.

It does take a short while to find your way around modern Windows Programs these days. Once you are familiar with the Database, Information flow and calculations, you can start to Take-off the True-Manufactured Fittings found in EST-Duct and confirm the Times and Costs displayed both on the Screen, and in a variety of reports.

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