

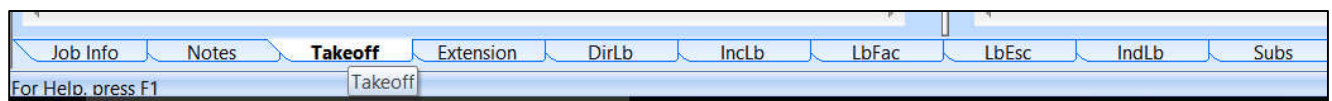
Chapter 2 – Program Overview

1. Program Structure
2. Database Structure
3. Database Items
4. Takeoff Libraries

1. Program Structure

Trimble ACCUBID™ software is a powerful program. The program allows an estimator to create a project estimate complete to the final price.

ACCUBID™ consists of various screens needed to complete an estimate.



TAKEOFF SCREEN COMPONENTS

Menu Bar

Tool Bar

Takeoff breakdown by drawing, area, phase, system, labor factor, and bid item. This breakdown feature provides the estimator the ability to analyze and check the estimate.

Library takeoff

Library Dropdown Menu

Bid Summary Toolbar

The program's audit trail gives the estimator a constant visual awareness of his completed takeoffs.

Description	Length	Count	Mat \$	Lbr Hr	Date
1 1/2" CONDUIT - RMC - GALV	1,000.00	0.00	3,211.10	88.00	2017-04-13 1:05 PM
1 1/2" CONDUIT - RMC - GALV	1,000.00	0.00	3,211.10	132.00	2017-04-13 1:05 PM
4" EMT MINERAL AC - WOOD 3 #12	50,000.00	1.00	45,620.87	4,902.31	2017-04-14 5:56 PM

2. Database Structure

The database has four levels in which the items are arranged by categories.

ACCUBID has 4 Levels in the item database.

A Category Level is indicated by a "C" in the type column.

Takeoff: ITEM DATABASE

Item Database: Level 1			Type
1	CONDUIT & FITTINGS		C
2	WIRE		C

Takeoff: ITEM DATABASE

Item Database: Level 2			Type
1	EMT		C
2	RMC - GALV		C
3	IMC - GALV		C
4	RMC - ALUM		C

Takeoff: ITEM DATABASE

Item Database: Level 3			Type
1	EMT CONDUIT		C
2	EMT ELBOWS		C
3			

Takeoff: ITEM DATABASE

Item Database: Level 4			Type
1	1/2" CONDUIT - EMT		I
2	3/4" CONDUIT - EMT		I
3	1" CONDUIT - EMT		I
4	1 1/4" CONDUIT - EMT		I
5	1 1/2" CONDUIT - EMT		I
6	2" CONDUIT - EMT		I
7	2 1/2" CONDUIT - EMT		I
8	3" CONDUIT - EMT		I
9	3 1/2" CONDUIT - EMT		I
10	4" CONDUIT - EMT		I

At the Item Level, an I is displayed in the Type column.

Note: Even though the Item Database has a maximum of four (4) levels, some material categories only go to three (3) levels. To know where you are, always look at the Type column to the right for C (Category) or I (item).

3. Database Items

This program uses a database of items. The database is the key to the program. Each item in the database contains 40 fields of information. These fields contain the values of each item. Some of the values include the following: description, material price, discount, and unit, labor units (six columns), sort codes, manufacturer, catalog number, and sort codes.

Field	Database Item Description
Description	Item description - max 80 characters
Date	Date of the last material price change. You cannot modify this field.
Material Unit	Price units: E - each, C - hundred, M - thousand
Material Price	The item's trade price.
Material Discount	The percentage discount off the Material Price used to calculate Material Net Cost.
Material Net Cost	The item's cost: material price less material discount.
Net Condition	Controls price updating.
Material Condition	Normal, Halted, Quoted, Sub Contractor, Owner Supplied, No Cost, Equipment, or Budget.
Material Adj. #1	Time & Material Billing material adjustment
Material Adj. #2	Future use
Price Code	Automatic price code update - max 14 characters
Price Factor	Used with price update from a Pricing Service. I.e.: Trade Service
Labor Unit	Labor units: E - each, C - hundred, M - thousand
Column 1 Labor	Competitive labor column
Column 2 Labor	Industrial labor column
Column 3 Labor	Special conditions - analyze risks
Column 4 Labor	NECA's labor column 1
Column 5 Labor	NECA's labor column 2
Column 6 Labor	NECA's labor column 3
Labor Condition	Labor Condition - Normal, Budget, No Labor, Subcontractor, Owner Supplied or Shop Labor.
Labor Factoring	Specifies which one of the five labor factor percentages will be used when a labor factor is applied to this item during a takeoff.
Based On	This item's quantity will be based on the takeoff length (Len) or on the takeoff count (Cnt).
Labor Code	The labor code for this item.
Sort Codes	On the extension screen, you can sort items by material and labor totals.
Weight Unit	Future use
Weight	Future use
Manufacturer Name	Name of the item's manufacturer (maximum 35 characters).
Supplier Name	Name of the item's supplier (maximum 15 characters).
Supplier Code	The supplier's order code for this item (maximum 25 characters)
Catalogue Number	The catalog number for the item (maximum 40 characters).
Reference	Manufacturer order code (maximum 25 characters).
Universal Item Code	Universal code used to identify item, not specific for any manufacturer.
Quick Takeoff Code	Custom code for quick takeoffs. i.e.: letters and/or numbers, not spaces or special characters.

Sample database item values

The screenshot shows the 'Create/Modify Item' dialog box with the following data:

Field	Value
Description	1/2" CONDUIT - EMT
Date	2016-04-28
Material Unit	C
Material Price	64.81
Material Discount	66.00
Material Net Cost	22.04
Net Condition	Normal
Material Condition	Normal
Material Adjustment #1	0.000
Material Adjustment #2	0.000
Price Code	98001002001
Price Factor	1.00000
Col 1 Labor	2.88
Labor Unit	C
Col 2 Labor	3.60
Col 3 Labor	4.32
NECA 1	4.50
NECA 2	5.60
NECA 3	6.70
Labor Condition	Normal
Labor Factoring	Group 2
Based On	Len
Trade Service Plk	1
N/A	1000
N/A	0
N/A	100
N/A	0
MATERIAL SORT	Conduit & Fittings
.	EMT
LABOR SORT	Conduit - Fittings - Boxes - Conr
.	<NO CODE>
Weight Unit	E
Weight	0.00
Manufacturer Name	CONDUIT RIGID-EMT
Catalog Number	
Supplier Name	
Supplier Code	
Reference	101001
Universal Item Code	
Quick Takeoff Code	
Export to Work Management	<input type="checkbox"/>

Annotations:

- Six Labor Columns:** A red box highlights the rows for Col 1 Labor, Labor Unit, Col 2 Labor, Col 3 Labor, NECA 1, NECA 2, and NECA 3.
- Labor Factoring Field contains 5 group options:** An orange box points to the 'Labor Factoring' field set to 'Group 2'.
- Based On is either Len or Cnt. When an ITEM is used in an ASSM, the Based-On feature can be set to Len, Cnt, or Abs.** An orange box points to the 'Based On' field set to 'Len'.
- There are 8 Sort Code fields. Sort Codes 1-4 should be set at N/A. These are present because of the DOS database. Sort Codes 5-8 are for the Windows database. Sort Code 5 (Material Sort) is renamed to Material Sort. Sort Code 7 is renamed Labor Sort. Sort Codes 6 & 8 are available for contractors' use for company specific sorting.** An orange box points to the 'MATERIAL SORT' and 'LABOR SORT' fields.

The database items can be arranged into assemblies and placed in the program's takeoff libraries to your own personal preferences and takeoff style.

4. Takeoff Libraries

Trimble ® ACCUBID Classic software offers various programs with different takeoff library options. Each takeoff library offers specific material takeoff options.

The following are brief descriptions of each Takeoff Library:

1) Item Database

The Item Database displays a list of items from the material database. You can navigate through the list to select the material to be taken off.

2) Common Assemblies

Common Assemblies display a list of assemblies from the material database. Assemblies are collections of related items identified by a single description. You can navigate through the list to select the material to be taken off. Common Assemblies library has a maximum of three levels.

3) Temporary Assemblies

Temporary Assemblies display assemblies that are assigned to the job rather than the database. For more information, see *Working with Temporary Assemblies*.

4) Temporary Items

Temporary Items are items assigned to the job rather than the database. For more information, see *Working with Temporary Items*.

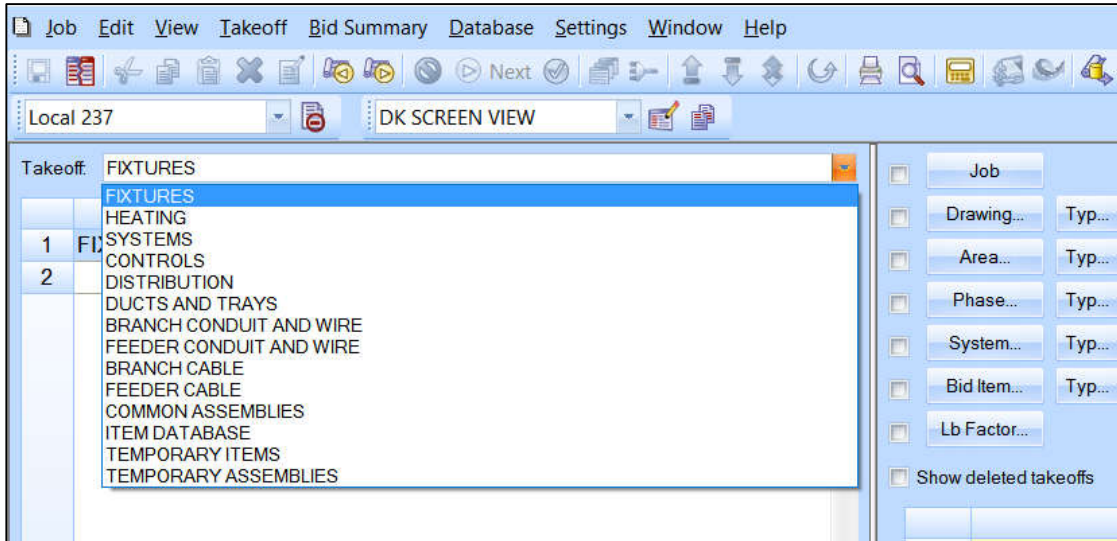
5) Fixtures / Electric Heating / Distribution

The Fixtures / Electric Heating / Distribution allows you to create specialized designations which you can then take off. If you wish, you can use these options to assemble specialized takeoffs without creating designations.

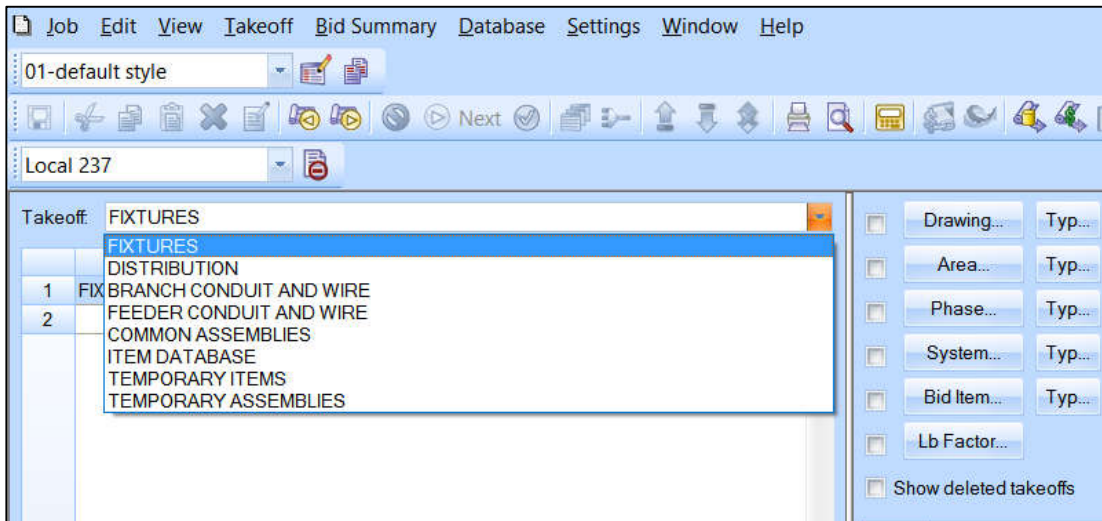
6) Systems / Controls / Ducts & Trays / Branch Conduit & Wire / Feeder Conduit & Wire / Branch Cable / Feeder Cable

These takeoff libraries display the first in a series of specialized hot lists that you can step through to assemble your takeoff. For more information, see *Using Hot Lists (Pro, BidWinner Plus only)*.

Pro



BidWinner Plus



BidWinner

The screenshot shows the BidWinner software interface. At the top is a menu bar with options: Job, Edit, View, Takeoff, Database, Settings, Window, and Help. Below the menu bar is a toolbar with various icons for file operations and editing. A dropdown menu is open, showing a list of items under the 'Takeoff' category. The items are:

- COMMON ASSEMBLIES (highlighted)
- ITEM DATABASE
- 1 DE TEMPORARY ITEMS
- 2 FE TEMPORARY ASSEMBLIES
- 3 SWITCHES
- 4 SWITCHES - SURFACE & WP
- 5 SWITCHES - DIMMERS & OCC SENSORS
- 6
- 7 RECEPTACLES - 20 AMP
- 8 RECEPTACLES - 15 AMP

To the right of the menu is a panel with several buttons: Drawing... Typ..., Phase... Typ..., System... Typ..., Lb Factor..., and Show deleted takeoffs. Below this panel is a small table with one row:

1	1 1/2" CONDUIT - RM
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