

A decorative graphic on the left side of the slide consisting of several red circles of different sizes, some overlapping, with a slight shadow effect.

## PART SEARCH

### Overview

# BUSINESS OBJECTIVES

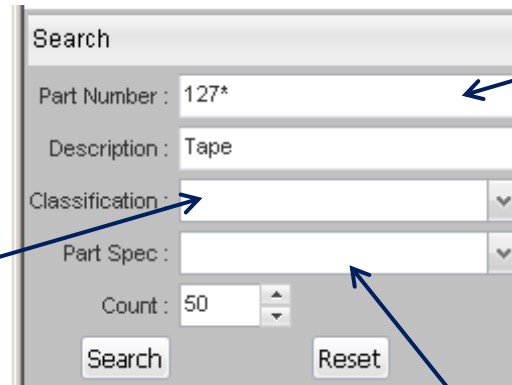
- Provide users with an intuitive, yet highly functional tool for finding parts
- Remove the complexity typically associated with PDM/PLM search interfaces
- Significantly improve search performance
- Introduce advanced features to accelerate find rates
  - Search multiple properties from a single field
  - Search by related item
- Reduce number of mouse clicks to required information

# UI FRAMEWORK

- Four UI sections with distinct purpose and behavior
- Each section customer configurable

# SEARCH SECTION

- Multiple search fields as specified by customer
- Type in, single select, multi-select or date
- Generates initial results list



The screenshot shows a search form with the following fields and values:

- Part Number : 127\*
- Description : Tape
- Classification : (dropdown menu)
- Part Spec : (dropdown menu)
- Count : 50 (with up/down arrows)

Buttons for "Search" and "Reset" are located at the bottom of the form.

**Search by Part Class**  
 “Find all parts that are Resistors or find all parts that are Brackets”

**Multi-property search**  
 “Find all parts where internal part number or customer part number is starts with 127”

**Search by related item**  
 “Find all parts that reference Part Specification AE-1234-1”

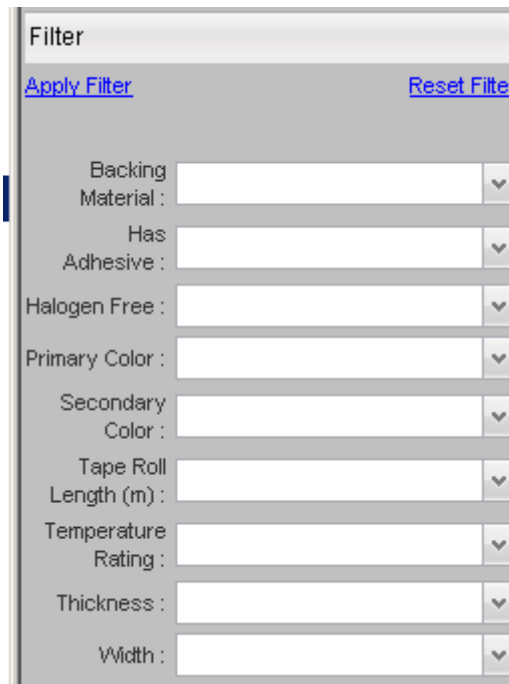
# FILTER SECTION

- Filter fields allow user to reduce the result set by specified property values
- Fields displayed in Filter section dynamically generated based on Parts included in results

## Filter Fields

The fields displayed in this list are for all Parts that are of type “Tape”.

If the results were all “Washers”, the field would include Material, Thickness and Diameter.



## Field Values

The entries in the list for each field includes only values that are present in at least one of the results.

This ensures that selecting any value from any field will always include at least one result.

# RESULTS SECTION

- Results displayed with customer-defined columns
- List can be sorted (ascending, descending) or grouped by column

Results Total Found : 63

Part Number	Description	Classification	State	Unit
▶ 127010015	ID TAPE, ADH, CELL, WHT, WHT, 38 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 127010023	ALUM FOIL TAPE, DRY, ALUM, REFLEC, REFLE...	Tape/Aluminum Foil	Released	m
▶ 127010049	ID TAPE, ADH, CELL, WHT, ORG, 38 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 127010056	ID TAPE, ADH, CELL, WHT, BLU, 38 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127010064	ID TAPE, ADH, CELL, WHT, TAN, 38 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127010072	ID TAPE, ADH, CELL, WHT, PNK, 38 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127010080	ID TAPE, ADH, CELL, WHT, GRN, 38 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127010098	ID TAPE, ADH, CELL, WHT, GRY, 38 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 1270100A5	ID TAPE, ADH, CELL, WHT, YEL, 38 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 1270100B3	ID TAPE, ADH, CELL, WHT, RED, 38 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 1270100D9	ID TAPE, ADH, CELL, WHT, DKBLU, 38 MM-WMDE...	Tape/Identification Continuous	Released	m
▶ 127010676	TAPE NON-ASR, DRY, POLYVINYL CHLORIDE (...)	Tape/Non-Reflective/Non-ASR	Released	m
▶ 127011203	ID TAPE, ADH, CELL, GRY, GRY, 19 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 127011211	ID TAPE, ADH, CELL, GRY, GRY, 25 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 127011302	ID TAPE, ADH, CELL, BRN, BRN, 25 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127011310	ID TAPE, ADH, CELL, RED, RED, 25 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127011328	ID TAPE, ADH, CELL, ORG, ORG, 25 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 127011336	ID TAPE, ADH, CELL, YEL, YEL, 25 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127011344	ID TAPE, ADH, CELL, GRN, GRN, 25 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127011351	ID TAPE, ADH, CELL, BLU, BLU, 25 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127011369	ID TAPE, ADH, CELL, PUR, PUR, 25 MM-WMDE, 7...	Tape/Identification Continuous	Released	m
▶ 127011377	ID TAPE, ADH, CELL, WHT, WHT, 25 MM-WMDE, ...	Tape/Identification Continuous	Released	m
▶ 127011385	ID TAPE, ADH, CELL, DKBLU, DKBLU, 25 MM-WM...	Tape/Identification Continuous	Released	m

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# EXPAND RESULTS

- Each result can be expanded to show related documents
- All data for related items presented in the display

Results Total Found : 9

Part Number	Description	Classification	State	Unit
127010049	ID TAPE, ADH, CELL, WHT, ORG, 38 MM-WIDE, ...	Tape/Identification Continuous	Released	m

▼ Part Cross References

Number	Sub Type	Major Type
127010049	GPN	Internal
26-7712-93C-	UTA Legacy	Internal
ES-2U5A-1289-AA	Ford	Customer
E00019755	SEM	Internal

▼ Part Specifications

Number	Name	Type	Sub Type
ESB-M3G147-A	Customer Ford ESB-M...	Customer	Ford

▼ Part Document

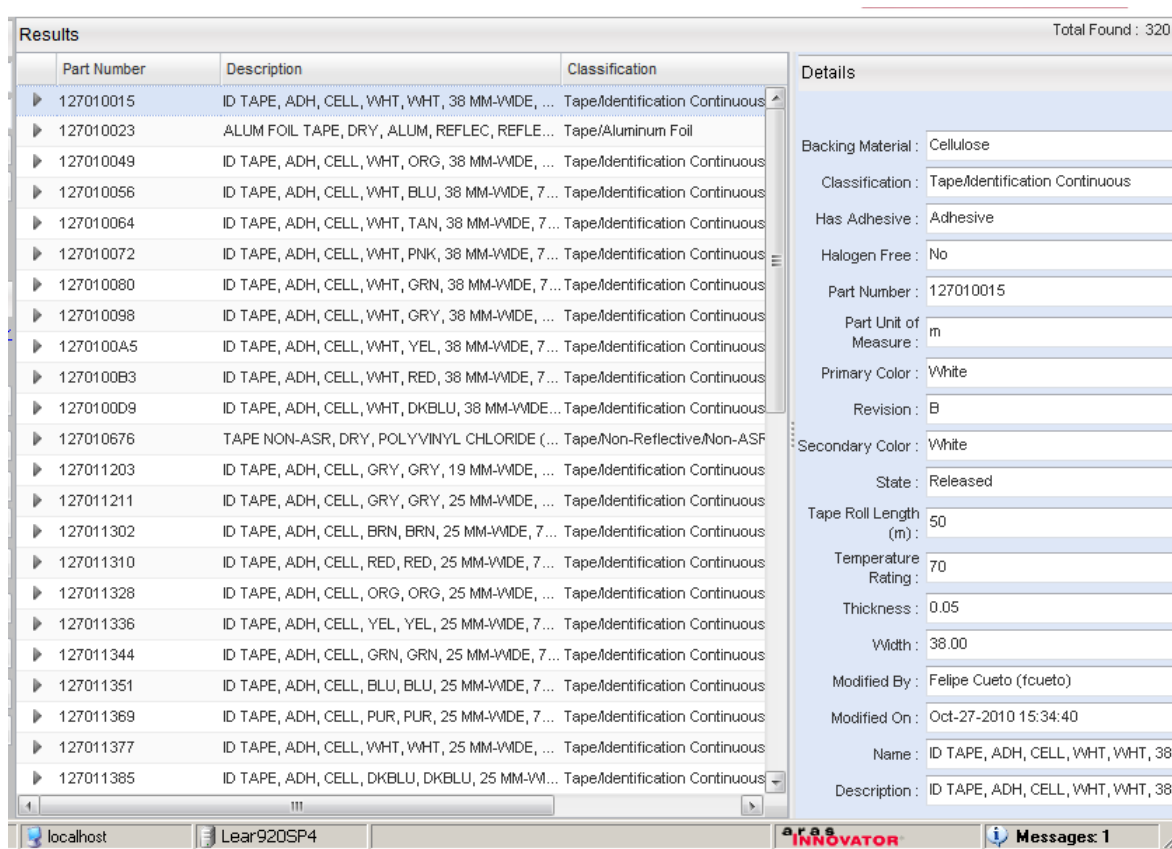
SEM Id	Name	Number	Type
D00034396	LEAR TAPE PART NU...		

▶ 127010056	ID TAPE, ADH, CELL, WHT, BLU, 38 MM-WIDE, 7...	Tape/Identification Continuous	Released	m
▶ 127010064	ID TAPE, ADH, CELL, WHT, TAN, 38 MM-WIDE, 7...	Tape/Identification Continuous	Released	m

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# DETAILS SECTION

- Selecting any Part in the results will instantly display its properties in a Details frame
- Much faster than opening the property form in the native application



The screenshot displays a software interface with a 'Results' table and a 'Details' panel. The 'Results' table lists various parts with columns for Part Number, Description, and Classification. The 'Details' panel shows properties for the selected part (127010015), including Backing Material, Classification, Has Adhesive, Halogen Free, Part Number, Part Unit of Measure, Primary Color, Revision, Secondary Color, State, Tape Roll Length (m), Temperature Rating, Thickness, Width, Modified By, Modified On, Name, and Description.

Part Number	Description	Classification
127010015	ID TAPE, ADH, CELL, WHT, WHT, 38 MM-WIDE, ...	Tape/Identification Continuous
127010023	ALUM FOIL TAPE, DRY, ALUM, REFLEC, REFLE...	Tape/Aluminum Foil
127010049	ID TAPE, ADH, CELL, WHT, ORG, 38 MM-WIDE, ...	Tape/Identification Continuous
127010056	ID TAPE, ADH, CELL, WHT, BLU, 38 MM-WIDE, 7...	Tape/Identification Continuous
127010064	ID TAPE, ADH, CELL, WHT, TAN, 38 MM-WIDE, 7...	Tape/Identification Continuous
127010072	ID TAPE, ADH, CELL, WHT, PNK, 38 MM-WIDE, 7...	Tape/Identification Continuous
127010080	ID TAPE, ADH, CELL, WHT, GRN, 38 MM-WIDE, 7...	Tape/Identification Continuous
127010098	ID TAPE, ADH, CELL, WHT, GRY, 38 MM-WIDE, ...	Tape/Identification Continuous
1270100A5	ID TAPE, ADH, CELL, WHT, YEL, 38 MM-WIDE, 7...	Tape/Identification Continuous
1270100B3	ID TAPE, ADH, CELL, WHT, RED, 38 MM-WIDE, 7...	Tape/Identification Continuous
1270100D9	ID TAPE, ADH, CELL, WHT, DKBLU, 38 MM-WIDE...	Tape/Identification Continuous
127010676	TAPE NON-ASR, DRY, POLYVINYL CHLORIDE (...)	Tape/Non-Reflective/Non-ASF
127011203	ID TAPE, ADH, CELL, GRY, GRY, 19 MM-WIDE, ...	Tape/Identification Continuous
127011211	ID TAPE, ADH, CELL, GRY, GRY, 25 MM-WIDE, ...	Tape/Identification Continuous
127011302	ID TAPE, ADH, CELL, BRN, BRN, 25 MM-WIDE, 7...	Tape/Identification Continuous
127011310	ID TAPE, ADH, CELL, RED, RED, 25 MM-WIDE, 7...	Tape/Identification Continuous
127011328	ID TAPE, ADH, CELL, ORG, ORG, 25 MM-WIDE, ...	Tape/Identification Continuous
127011336	ID TAPE, ADH, CELL, YEL, YEL, 25 MM-WIDE, 7...	Tape/Identification Continuous
127011344	ID TAPE, ADH, CELL, GRN, GRN, 25 MM-WIDE, 7...	Tape/Identification Continuous
127011351	ID TAPE, ADH, CELL, BLU, BLU, 25 MM-WIDE, 7...	Tape/Identification Continuous
127011369	ID TAPE, ADH, CELL, PUR, PUR, 25 MM-WIDE, 7...	Tape/Identification Continuous
127011377	ID TAPE, ADH, CELL, WHT, WHT, 25 MM-WIDE, ...	Tape/Identification Continuous
127011385	ID TAPE, ADH, CELL, DKBLU, DKBLU, 25 MM-WM...	Tape/Identification Continuous

Details	
Backing Material :	Cellulose
Classification :	Tape/Identification Continuous
Has Adhesive :	Adhesive
Halogen Free :	No
Part Number :	127010015
Part Unit of Measure :	m
Primary Color :	White
Revision :	B
Secondary Color :	White
State :	Released
Tape Roll Length (m) :	50
Temperature Rating :	70
Thickness :	0.05
Width :	38.00
Modified By :	Felipe Cueto (fcueto)
Modified On :	Oct-27-2010 15:34:40
Name :	ID TAPE, ADH, CELL, WHT, WHT, 38 I
Description :	ID TAPE, ADH, CELL, WHT, WHT, 38 I



# CURRENT STATUS

- UI Framework is available and can be customized to meet customer requirements
- Connector for Aras Innovator is available
- Connectors to other content sources can be delivered as a custom solution