

Product Overview



Masterpiece

Enables a large multi site, multi language data cleaning project to be managed efficiently and deliver high quality results



Gatekeeper

Enforces data quality for record creation, with embedded workflow and MDM synchronisation across multiple ERPs and other databases



Insight

Leverages ERP transactional and inventory data to provide powerful, off the shelf business intelligence at a fraction of the normal cost



VPI

Delivers quick, easy search of live inventory data loaded from many systems into the virtual pool, so you can rapidly find the item you need

Fast

Off the shelf, fully hosted solutions can make a rapid impact

Precise

Accuracy is embedded in both our software and our processes

Complete

Our focus has allowed us to develop a full package of solutions

Reliable

Many customers over many years have made our delivery reliable

Value

Our low overheads and SaaS model enable us to deliver best value



Base Module

The base module provides the core functions to support the four applications summarised above

In developing our set of applications we have identified a number of common pieces of functionality and services that are relevant to all users. These foundation pieces are brought together in the base module of our application set with each of our cleaning, governance, analysis and search applications using the core components to varying degrees.

As you might expect, these components include user set-up, login and security, email and data integration functions and a significant number of database



related processes. However, we have also included a significant level of functionality in our base module described below.

sparesFinder has designed the base module to operate with content that can be quickly imported from existing sources, be that a specific set of classifications, a pre-existing technical dictionary created by your company, an industry standard, reference data from your key suppliers, or login information to create a single sign on for your users.



Technical Dictionary

Sit four people down in a room, ask them to describe a simple item in four words, and you will get four different answers. However, when you give them a set of choices, or templates, to follow, you will usually get four identical answers. This set of templates is what a technical dictionary represents, but in a great deal more detail.

sparesFinder have developed a technical dictionary structure that can be used to create and manage accurate descriptive data for all different types of materials and products. We have followed the structures recommended for an open technical dictionary to comply with the ISO 22745 standard, but have added a great deal of additional workflow and supporting content to this basic structure.

Noun	Modifier	Qualifier	C	P	Image	Attribute Name	UOM	Entry Type
VALVE	ANY	ANY	2408	6190		TYPE		Open Text
VALVE	SOLENOID	ANY	2579	2062		PIPE SIZE	MM	Open Number
VALVE	SPOOL	ANY	576	1115		CURRENT	A	Open Text
VALVE	BALL	ANY	484	520		ORIFICE SIZE	MM	Open Text
VALVE	GATE	ANY	258	234		VOLTAGE	V	Open Text
VALVE	BUTTERFLY	ANY	236	211		CURRENT TYPE		Open Text
VALVE	CHECK	ANY	190	159		COIL VOLTAGE	VDC COIL	Open Text
VALVE	POPPET	ANY	104	130		RATING	VAC/DC	Open Text
VALVE	RELIEF	ANY	124	125		MATERIAL		Open Text
VALVE	DIAPHRAGM	ANY	73	75		CONNECTION		Open Text
VALVE	GLOBE	ANY	84	66		CYCLE	Hz	Open Text
VALVE	NEEDLE	ANY	27	29		POWER		Open Text
VALVE	PLUG	ANY	24	9		COIL		Open Text
VALVE	FLOAT	ANY	5	6		OPERATOR		Open Text
VALVE	METERING	ANY	4	5		CONFIGURATION		Open Text
VALVE	PULSE	ANY	8	2		CONSTRUCTION		Open Text
VALVE	CYLINDER	ANY	1	0				
VALVE	TIPPING	ANY	4	0				

Over 2800 fully attributed templates

We supply a proven spare parts technical dictionary with over 2,800 templates off the shelf, but can also help you to develop your own standard if you wish to use our applications for

your own specific materials area, e.g. healthcare supplies, direct materials or office products.

Key features include:

- Detailed Taxonomy.** A template consists of Noun (e.g. BEARING) and a Modifier or type (e.g. BALL, ROLLER, PILLOW BLOCK etc), which, when combined, enable a set of relevant attributes to be defined. These attributes, or characteristics, can be text or numeric, mandatory or otherwise and placed in a given an order to create output descriptions.
- Classification Mappings.** You can map one or more classification systems (such as UNSPSC, eCl@ss etc.) directly to the dictionary templates, so a user doesn't have to worry about them as they are entering technical data - they are automatically populated.
- Multi Language.** Our technical dictionary has been implemented to describe spares and product data in over 20 languages, including most European languages, and double byte character sets such as Chinese. Administrators are able to define custom translations for each word according to its context and set their own abbreviations for standard terms.



Catalogue Management

A catalogue of clean, reliable item data is at the heart of our processes. A unique catalogue item is most often defined by the combination of the manufacturer's or supplier's name and their part numbers. Where this data is not available a catalogue item, particularly commodity items, can also be uniquely defined using the combination of attribute data.

One of the main aims of data cleaning is to convert a set of legacy data into a set of unique records and we use the catalogue structure to enable this in Masterpiece. Occasionally, clean catalogue data is provided directly by your supply chain partners, but more often it is created during the cleaning process, at which point it can act as a reference for all other legacy lines to match and group all of your duplicates together.



Our catalogue data structure has been designed to support the inter-relationships between Part Manufacturers, Original Equipment Manufacturers, Vendors and Distributors. It also handles the various relationships within a specific material item, such as drawing numbers, part supersession, obsolescence and old versions of part numbers.

The other set of relationships that can be captured are those relating to the higher assemblies or machine types a part can be fitted to and even the specific asset locations of those machines as defined by an asset register.

Output Description Creation

One of the most significant advantages of using sparesFinder to manage your materials data is our software's ability to build output data in a wide variety of formats, to suit your different enterprise systems.

For example, once clean structured data for an item has been defined, our software can be configured by the

user to build any number of description variants to make use of this data, managed by the technical dictionary. The Short 40 description used in SAP would be created using abbreviations for only the key attributes, whereas the more descriptive field required on a purchase order can be created without abbreviations and using complete labelled descriptions of all attributes.

Moreover, a single set of item data is used to create all the necessary translations of descriptions into the local languages of your customers and staff who need to find, understand and work with these items in their own language.

Noun Modifier BEARING BALL

TYPE abc

BORE TYPE abc


INSIDE DIAMETER 123 12 mm

OUTSIDE DIAMETER 123 28 mm

WIDTH abc 8 mm

CAGE MATERIAL abc BRASS

ROW abc



Language	Description
English	BEARING:BALL: 12X28X8mm, BRASS
French	ROULEMENT A BILLES: 12X28X8mm, LAITON
Russian	ШАРИКОВОЕ ДИШЛИПНИК: 12X28X8mm, ЛАТУНЬ
Chinese	球轴承: 12X28X8mm, 黄铜
English	BEARING:BALL: 12X28X8mm, BRASS
German	KUGELAGER: 12X28X8mm, MESSING
Portuguese	ROLAMENTO DE ESFERAS: 12X28X8mm, LATÃO
Finnish	KIJULILAAKERI: 12X28X8mm, MESSINKI
Swedish	KULLÄGER: 12X28X8mm, MÄSSING
Dutch	KOGELÄGER: 12X28X8mm, MESSING

Structured descriptions created automatically in multiple languages

