# Description per item in the KSMAnalyze Quote.

**KSMAnalyze, an office program to reduce the biggest costs in cables, MATERIAL**
The tool to analyze KSM measuring data as well as added data, display trends and calculate **Over dimensional cost** also for the metal conductors in your cables.

# The EXTRA not paid for.




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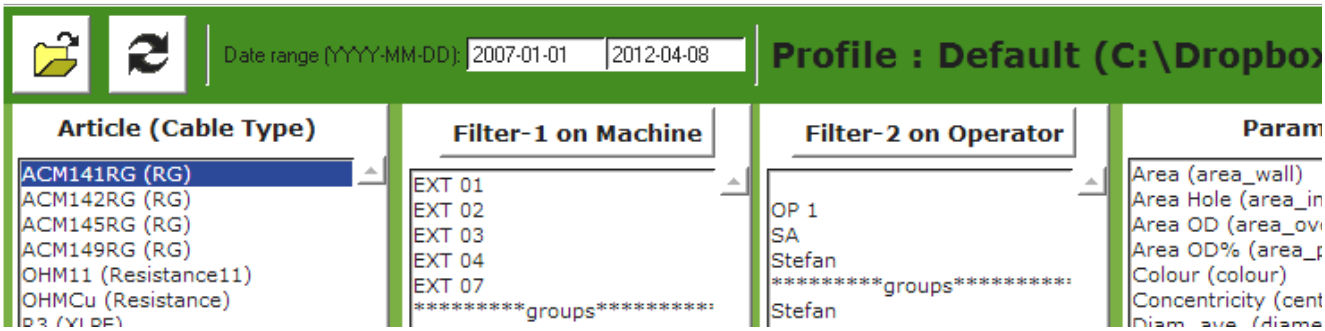
## 40 KSMAnalyze,
## the tool to reduce the biggest cost in cables, MATERIAL




Language and settings from KSM is used.

### Modules for KSMAnalyze

## 41 KSMAnalyze Basic system with filter functions and trends

The office program KSMAnalyze is used to analyze and display different trends based upon measuring data from the KSM measuring system. This to learn how different production lines, operators, tools and material behave. By seeing the differences improvements and material saving actions can take place. Also other data such as resistance, strip force and weights can be analyzed. When the program start all measured data with specifications are displayed which normally are located at the company server.

### Profiles


Four profiles selectable for example when more KSM units are used..

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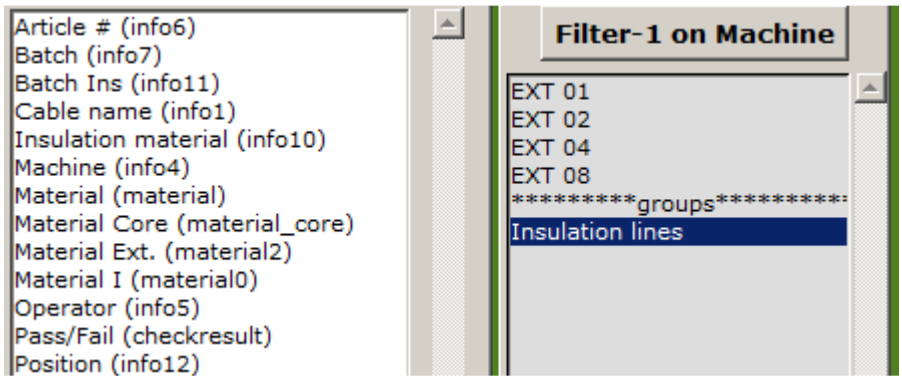
### Date range filter


### Filter-1

All info fields are selectable.

Groups to combine different selections, for example Insulation lines.





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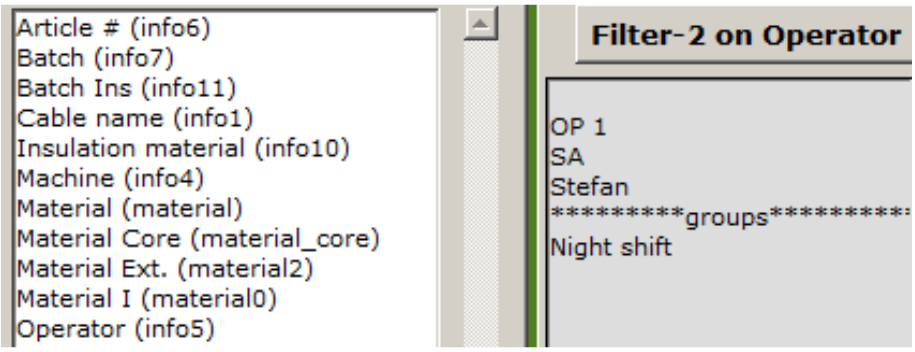
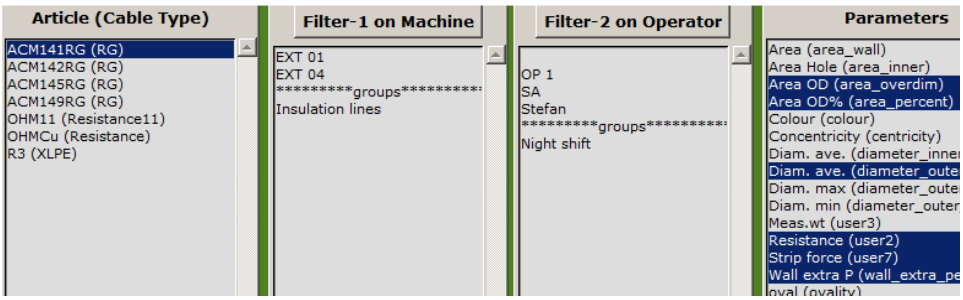
## Filter-2

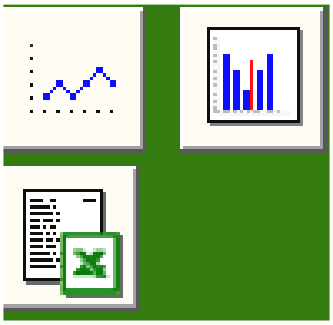
All info fields are selectable and can then be combined with Filter-1. Groups to combine different selections, for example night shift.

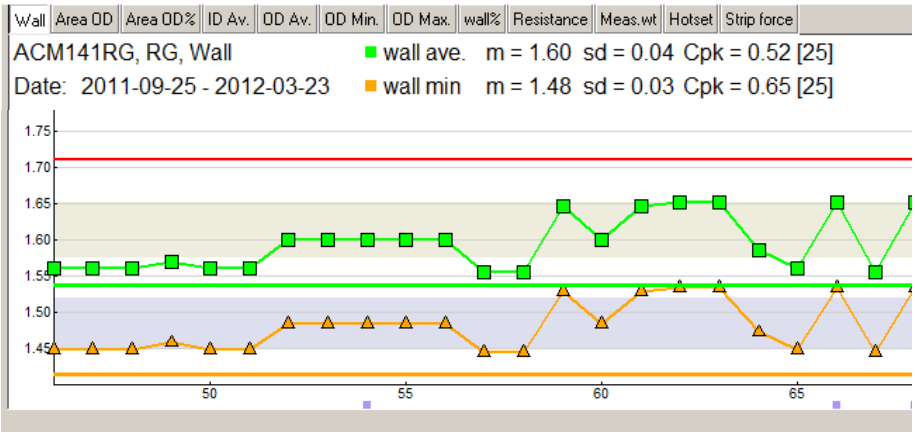



**By selecting an article**, (product code) possibly combined with Filter-1 and Filter-2, all measuring and input data for this article can be selected for trends or export to an xls file.




**Quick filter** to select articles (product codes) or cable name. The same for Filter-1 and -2




The same selection can also be exported to an xls file.

**Comparing makes it possible to learn how to reduce the biggest cost in cables, MATERIAL.**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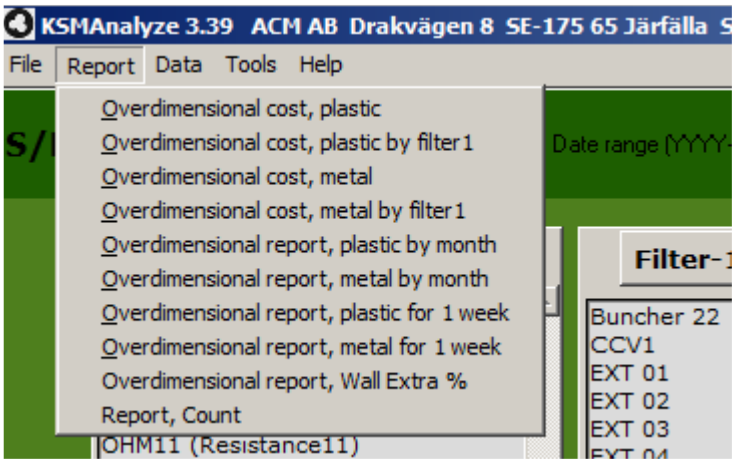
# KSMAnalyze Over dimensional (OD) cost

**Many different reports available.**
New reports can upon request be added




## 42 KSMAnalyze Over dimensional cost, Plastic

The trends to analyze are the ones were the biggest over dimensional (OD) cost occur.
The different OD optional reports give clear information where savings could be achieved.
The OD Plastic report is OD cost per article (product code) sorted with the highest cost on top.
Cost in the local currency based upon material density and price. If price is selected to 1, the report will be in weight (kg or pound) OD and if density also is selected to 1, the report will show volume.
The same occur for all OD reports.

ACM Overdimensional Costs, plastic(spec wall)

Copy to: Stefan, Karel Date : 2007-01-01 - 2012-04-10

| Article | Cable Type | Extra Cost (£) | Material | Nbr of Meas. | Length (m) | Meas. Area. (mm²) | Spec. Area. (mm²) | Extra (%) | Extra Vol. (m3) | Spec. Weight (kg) | Extra Weight. (kg) | Extra Cost. (£/km) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TOTAL :** | | **5 501** | | **106** | **289 100** | **316.91** | | **2.68** | **0.64** | | **764.04** | |
| ACM141RG | RG | 3 651 | PVC2 | 71 | 134 000 | 81.20 | | 4.18 | 0.42 | | 507.05 | 27.24 |
| ACM142RG | RG | 1 746 | PVC2 | 33 | 142 000 | 81.78 | | 4.05 | 0.20 | | 242.47 | 12.29 |
| ACM149RG | RG | 56 | PVC2 | 1 | 7 000 | 76.96 | | 1.21 | 0.01 | | 7.75 | 7.98 |
| ACM145RG | RG | 49 | PVC2 | 1 | 6 100 | 76.96 | | 1.21 | 0.01 | | 6.76 | 7.98 |

As in most parts of the KSMAnalyze program also exportable to an automatically named xls file.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# 43 KSMAnalyze Over dimensional cost, Plastic by Filter-1

**Filter-1 all Info fields can be selected**
Most common is Machine.

**Filter**

Article # (info6)
Batch (info7)
Batch Ins (info11)
Cable name (info1)
Insulation material (info10)
Machine (info4)
Material (material)
Material Core (material_core)
Material Ext. (material2)
Material I (material0)
Operator (info5)
Pass/Fail (checkresult)
Position (info12)
Process step (info9)
Reel nbr (user5)
Sample type (info2)
Tooling (info8)
Works Order No (info3)
serial (serial)

Copy to: Stefan, Lars Date : 2007-01-01 - 2012-04-10

| Machine | Extra Cost (£) | Nbr of Meas. | Length (m) | Extra Weight. (kg) |
|---|---|---|---|---|
| **TOTAL :** | **5 501** | **106** | **289 100** | **764.04** |
| EXT 01 | 4 284 | 75 | 236 000 | 594.95 |
| EXT 02 | 975 | 21 | 32 000 | 135.43 |
| EXT 04 | 86 | 3 | 9 000 | 11.90 |
| EXT 03 | 78 | 4 | 4 000 | 10.86 |
| EXT 06 | 49 | 1 | 6 100 | 6.76 |
| EXT 07 | 30 | 2 | 2 000 | 4.15 |

Other data can be displayed.


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## 44 KSMAnalyze Over dimensional cost, Metal

This report tell were the biggest metal (based upon measured resistance) over dimensional (OD) cost occur. Per article (product code) sorted with the highest cost on top.

Copy to: Stefan, Peter Date : 2007-01-01 - 2012-04-10

| Article | Cable Type | Extra Cost (£) | Material | Nbr of Meas. | Length (m) | Meas. Ave. (ohm/km) | Spec. Nom. (ohm/km) | Extra (%) |
|---|---|---|---|---|---|---|---|---|
| **TOTAL :** | | **892** | | **63** | **87 000** | | | **2.18** |
| ACM141RG | RG | 570 | Cu | 42 | 55 000 | 20.65 | 21.10 | 2.17 |
| ACM142RG | RG | 305 | Cu | 19 | 30 000 | 20.53 | 21.01 | 2.35 |
| OHMCu | Resistance | 18 | Cu | 2 | 2 000 | 20.59 | 21.00 | 2.02 |

## 45 KSMAnalyze Over dimensional cost, Metal by Filter-1

Copy to: Stefan, Irma Date : 2007-01-01 - 2012-04-10

| Machine | Extra Cost (£) | Nbr of Meas. | Length (m) |
|---|---|---|---|
| **TOTAL :** | **892** | **63** | **87 000** |
| EXT 01 | 646 | 47 | 60 000 |
| EXT 02 | 219 | 12 | 23 000 |
| Strander 61 | 18 | 2 | 2 000 |
| EXT 03 | 10 | 2 | 2 000 |

Other data can be displayed.


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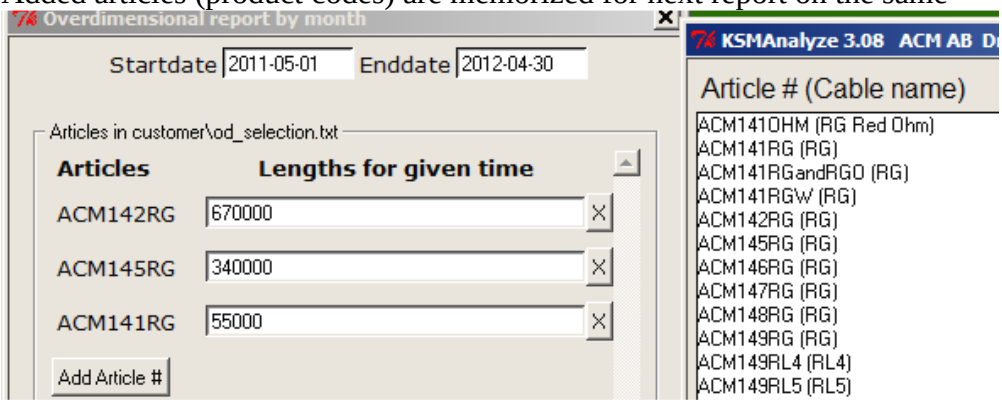
## 46 KSMAnalyze Over dimensional report, Plastic per year/month

Report per last 12 months based upon information on total length produced.
Added articles (product codes) are memorized for next report on the same




Report per last 12 months based upon information on total length produced.
Per month and summarized.

**TOTAL** Copy to: Stefan, Carina Date : 2011-05-01 - 2012-04-30

| Article | Cable Type | Extra Cost (£) | Material | Nbr of Meas. | Length (m) | Meas. Area. (mm²) | Spec. Area. (mm²) | Extra (%) | Extra Vol. (m3) | Spec. Weight (kg) | Extra Weight. (kg) | Extra Cost. (£/km) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TOTAL :** | | **2 135** | | **42** | **70 000** | **162.55** | **156.37** | **3.95** | **0.25** | **6578.62** | **296.51** | |
| ACM141RG | RG | 1 696 | PVC2 | 31 | 56 000 | 81.11 | 77.92 | 4.10 | 0.20 | 5251.78 | 235.58 | 30.29 |
| ACM142RG | RG | 439 | PVC2 | 11 | 14 000 | 81.43 | 78.46 | 3.79 | 0.05 | 1326.84 | 60.93 | 31.34 |

**May 2011** Copy to: Stefan, Carina Date : 2011-05-01 - 2012-04-30

| Article | Cable Type | Extra Cost (£) | Material | Nbr of Meas. | Length (m) | Meas. Area. (mm²) | Spec. Area. (mm²) | Extra (%) | Extra Vol. (m3) | Spec. Weight (kg) | Extra Weight. (kg) | Extra Cost. (£/km) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TOTAL :** | | **286** | | **4** | **13 000** | **165.66** | **157.72** | **5.03** | **0.03** | **1208.61** | **39.76** | |
| ACM141RG | RG | 237 | PVC2 | 3 | 12 000 | 79.51 | 77.22 | 2.97 | 0.03 | 1112.02 | 32.98 | 19.79 |
| ACM142RG | RG | 49 | PVC2 | 1 | 1 000 | 86.14 | 80.50 | 7.01 | 0.01 | 96.59 | 6.78 | 48.78 |

## 47 KSMAnalyze Over dimensional report, Metal per year/month

The same as for Plastic but Metal instead. Based upon measured (or noted) resistance.

## 48 KSMAnalyze Over dimensional report, Plastic per week/day

The same as month/year but a summery for the week including every day in the week

## 49 KSMAnalyze Over dimensional report, Metal per week/day

The same as for Plastic but Metal instead. Based upon measured (or noted) resistance.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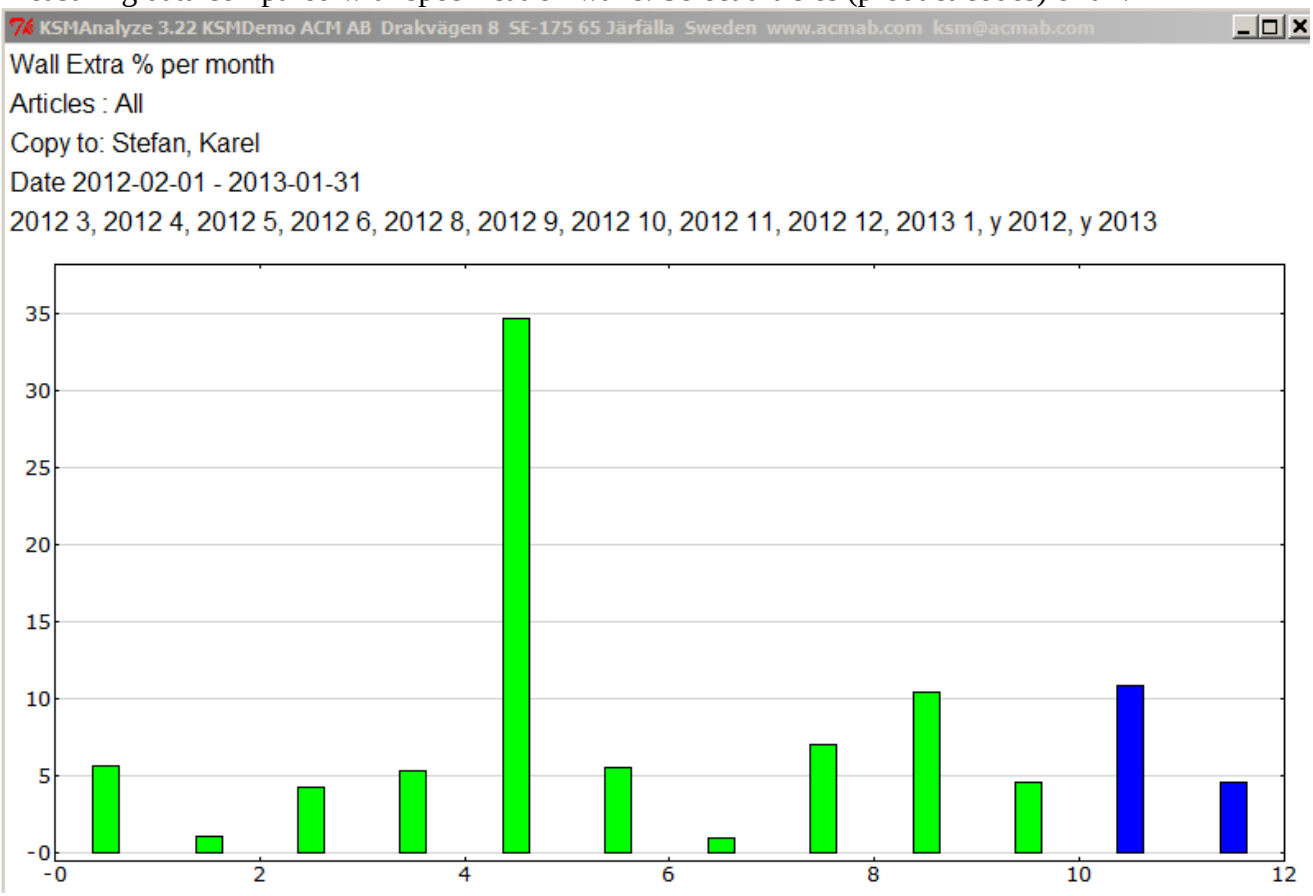
# 50 KSMAnalyze Over dimensional report, Wall Extra % by month

Percent over dimension wall for selected or all measured articles last 12 months.
Like all KSMAnalyze reports also exportable to an automatically named xls file.
Measuring data compared with specification walls. Select articles (product codes) or all.





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## 51 Report, Count number of measurement, xls file

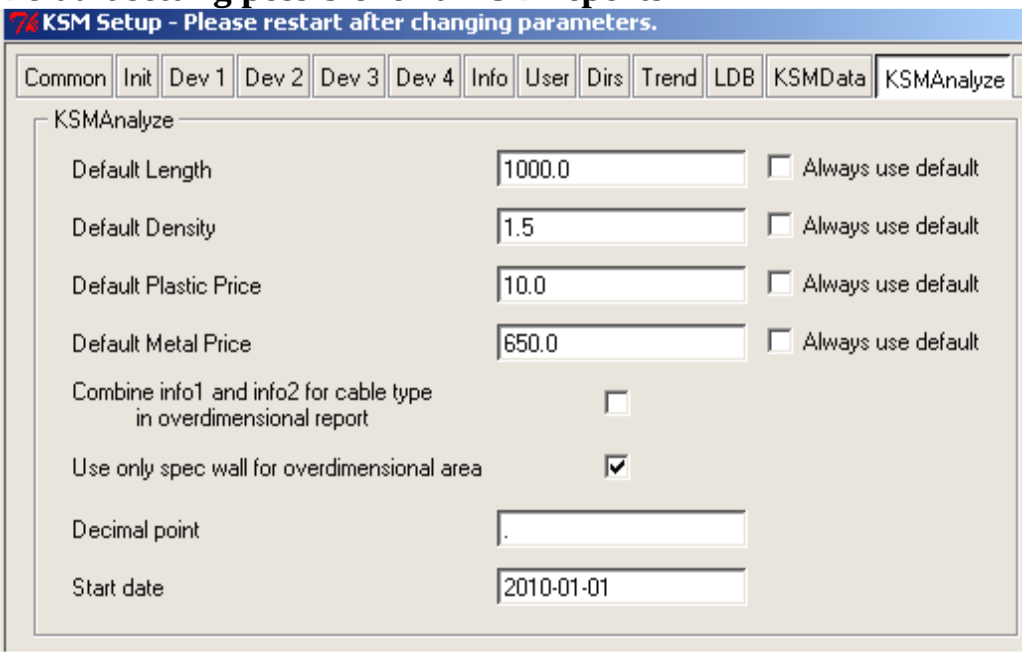
Article # (info6)
Batch (info7)
Batch Ins (info11)
Cable name (info1)
Insulation material (info10)
Machine (info4)
Operator (info5)
Position (info12)
Process step (info9)
Sample type (info2)
Tooling (info8)
Works Order No (info3)

| | | | | | |
|---|---|---|---|---|---|
| Overdim count report for Operator regarding all articles in directory. | | | | | |
| | | | | | |
| Period = 2007-01-01 - 2012-04-10 | | | | | |
| | | | | | |
| | Total | | | | |
| | 114 | | | | |
| | | | | | |
| Operator | count | | | | |
| 1243 | 1 | | | | |
| Chris | 2 | | | | |
| OP 1 | 6 | | | | |
| SA | 6 | | | | |
| Stefan | 97 | | | | |
| <empty> | 2 | | | | |

Any info field selectable for the xls report

**In all reports subjects Filer-1 and/or Filter-2 is selectable.**

**Default setting possible for all OD reports**




## Repair Overdim (OD)


The program Is used to add data in older KSM measuring (dat) files not containing plastic material price and density. From KSM Program version 3.00 the measuring (dat) files contains material price and density if the product was measured in the KSMLDB or in the KSMRemote mode and material was specified.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