

10.0 Stoff- und Energiebilanz

| Input | ME | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | % Veränderung zu 2006 |
|---|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------|
| Treibstoffe für den Fuhrpark | | | | | | | | | | |
| o Diesel F - 50 (LKW) | L | 12.500 | 13.400 | 13.400 | 14.250 | 15.730 | 27.113 | 128.853 | 135.719 | 5 |
| o Normal Bleifrei (PKW) | L | 35.961 | 30.002 | 21.435 | 8.445 | 1.786 | 3.917 | 394 | 240 | -39 |
| o Super Bleifrei (PKW) | L | 89.063 | 76.849 | 78.964 | 60.944 | 32.987 | 21.438 | 5.374 | 10.797 | 101 |
| o Diesel (PKW) | L | 428.037 | 478.448 | 541.004 | 561.717 | 585.589 | 697.024 | 540.372 | 718.413 | 33 |
| Treibstoffe für die Fertigerzeugnisprüfung | | | | | | | | | | |
| o Benzin | L | 2220 | 2332 | 923 | 3476 | 3437 | 800 | 3.080 | 760 | -75 |
| o Diesel | L | 8380 | 10000 | 13540 | 13999 | 22705 | 18.539 | 16.017 | 13.570 | -15 |
| Energie | | | | | | | | | | |
| o Stromverbrauch | KWH | 3.292.800 | 3.104.500 | 3.308.640 | 3.333.580 | 3.479.480 | 3.440.948 | 3.656.789 | 4.458.308 | 22 |
| o Wasserverbrauch | m³ | 16.268 | 9.819 | 10.129 | 11.260 | 9.405 | 10.935 | 10.991 | 11.432 | 4 |
| o Gasverbrauch | KWH | 7.277.879 | 6.741.546 | 6.657.377 | 7.562.508 | 7.006.967 | 6.641.323 | 7.162.712 | 8.098.975 | 13 |
| Fixformate | | | | | | | | | | |
| o Bleche nach DIN | t | 1.440 | 1.490 | 1.840 | 1.915 | 1.731 | 1.623 | 1.589 | 1.860 | 17 |
| Din und Normteile | | | | | | | | | | |
| o Scheiben DIN 9021 | St | 1.786.338 | 1.726.572 | 1.950.000 | 2.096.400 | 1.959.329 | 2.219.900 | 1.869.830 | 1.704.793 | -9 |
| o 6kt. Mutter | St | 1.278.602 | 1.254.776 | 1.365.000 | 1.461.000 | 1.607.829 | 1.505.620 | 1.696.920 | 1.872.127 | 10 |
| o 6kt. Schraube | St | 1.144.497 | 1.110.847 | 1.037.000 | 1.240.000 | 1.347.911 | 1.325.702 | 1.532.415 | 1.756.051 | 15 |
| o 6kt. Schweißmutter | St | 329.996 | 273.617 | 274.000 | 301.000 | 408.931 | 356.867 | 414.617 | 474.928 | 15 |
| o Federringe / Federscheiben | St | 273.253 | 275.991 | 260.000 | 262.880 | 224.618 | 187.354 | 194.405 | 180.446 | -7 |
| Fertigungshilfsstoffe | | | | | | | | | | |
| o Strukturpulver | kg | 27.515 | 21.940 | 20.000 | 21.003 | 19.898 | 17.406 | 22.250 | 34.996 | 57 |
| o Hydrauliköl | kg | 18.713 | 25.767 | 22.000 | 19.114 | 22.894 | 21.830 | 17.809 | 14.785 | -17 |
| o Phosphatiermittel | kg | 3.255 | 4.584 | 2.700 | 2.040 | 1.560 | 1.680 | 3.600 | 3.310 | -8 |
| o Motoröl | L | 2.225 | 2.252 | 2.700 | 1.476 | 3.200 | 1.221 | 1.399 | 2.345 | 68 |
| Verpackungselemente | | | | | | | | | | |
| o Paletten | St | 10.500 | 9.500 | 11.500 | 11.339 | 9.894 | 10.896 | 12.235 | 13.074 | 7 |
| o Innenpaletten | St | 2.900 | 2.200 | 2.100 | 2.220 | 2.456 | 1.945 | 2.345 | 1220 | -48 |
| o Faltschachteln | St | 11.000 | 3.850 | 3.900 | 4.218 | 6.718 | 4.893 | 7.158 | 7463 | 4 |
| Elektroteile | | | | | | | | | | |
| o E-Leitung n. VDE 0281 | M | 564.973 | 709.815 | 853.486 | 911.782 | 910.883 | 827.983 | 834.633 | 1.039.754 | 25 |
| o Flachsteckhülsen | St | 621.000 | 579.000 | 713.000 | 847.000 | 804.773 | 733.637 | 845.483 | 996.309 | 18 |
| o Kunststoffhülsen | St | 332.800 | 279.000 | 340.000 | 393.000 | 359.959 | 319.268 | 369.378 | 356.222 | -4 |
| o Kabelschuhe | St | 173.400 | 167.500 | 200.000 | 230.000 | 241.892 | 212.923 | 231.331 | 240.507 | 4 |
| o Aderendhülse | St | 115.000 | 111.500 | 130.000 | 150.900 | 101.714 | 95.660 | 99.981 | 126.265 | 26 |
| o Flachstecker | St | 102.000 | 92.000 | 129.000 | 116.000 | 91.457 | 88.206 | 103.520 | 94183 | -9 |

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| Output | ME | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | % Veränderung zu 2006 |
|--|----------------|--------|-------|--------|--------|--------|--------|--------|--------|-----------------------|
| Produkte | | | | | | | | | | |
| o Reinigungsmaschinen und Anbaugruppen | t | 2.714 | 2.639 | 2.889 | 3.149 | 3.567 | 3.735 | 3.726 | 4.063 | 9,0 |
| Abwasser / gesamt | | | | | | | | | | |
| o Pulveranlage | m ³ | 17.492 | 9.850 | 10.100 | 10.338 | 8.813 | 10.287 | 10.529 | 11.263 | 7,0 |
| o Nassspritzkabine | m ³ | 10.495 | 5.910 | 6.060 | 6.203 | 5.288 | 6.172 | 6.317 | 6.758 | 7,0 |
| o sonstige Verbraucher (Sanitär) | m ³ | 5.248 | 2.955 | 3.030 | 3.101 | 2.644 | 3.086 | 3.790 | 4.055 | 7,0 |
| o Oberflächenwasser | m ³ | 1.749 | 985 | 1.010 | 1.034 | 881 | 1.029 | 2.274 | 2.433 | 7,0 |
| | m ³ | 7.802 | 0 | 0 | 0 | 17.193 | 17.193 | 17.193 | 17.193 | 0,0 |
| Abfallaufkommen > 50t | | | | | | | | | | |
| o Schrottabfälle | t | 451,0 | 427,0 | 564,0 | 592 | 654,6 | 681,3 | 881,4 | 1004,4 | 14,0 |
| o Schredderschrott | t | 78,4 | 130,0 | 124,0 | 154 | 161,3 | 152,2 | 220,2 | 252,7 | 14,8 |
| o Pappe | t | 65,0 | 61,0 | 69,0 | 74 | 83,1 | 81,6 | 93,2 | 106,2 | 13,9 |
| o Holz | t | 58,0 | 55,0 | 56,0 | 56 | 44,9 | 38,6 | 43,8 | 64,0 | 46,1 |
| o Hausmüll | t | 71,4 | 72,0 | 53,0 | 61 | 64,8 | 59,3 | 66,7 | 62,0 | -7,0 |
| o Straßenreinigungsabfälle durch Testfahrten | t | 79,3 | 59,8 | 49,8 | 56 | 71,8 | 109,6 | 144,5 | 272,3 | 88,4 |
| Emissionen | | | | | | | | | | |
| o Wasserdampf | hl | 8.134 | 4.910 | 5.065 | 5.630 | 6.728 | 6.122 | 6.254 | 6.690 | 7,0 |
| o CO | kg | 8.691 | 8.699 | 9.214 | 6.995 | 7.992 | 8.261 | 6.659 | 8.911 | 33,8 |
| o Rußpartikel | kg | 362 | 404 | 457 | 374 | 545 | 585 | 508 | 671 | 32,1 |
| o HC | kg | 328 | 281 | 265 | 362 | 846 | 652 | 590 | 912 | 54,6 |
| o Lösemitteldämpfe (VOC) | kg | 1449 | 1553 | 1710 | 1700 | 1116 | 990 | 1.029 | 1.077 | 4,7 |