

10.0 Material and Energy balance sheet



Input	ME	2000	2001	2002	2003	2004	% Changes to 2003
Fuel...for transport							
Diesel F - 50 (HGV)	L	12.500	13.400	13.400	14.250	15.730	10,39
Normal Unleaded (Car)	L	35.961	30.002	21.435	8.445	1.786	-78,85
o Super Unleaded (Car)	L	89.063	76.849	78.964	60.944	32.987	-45,87
Super Plus (Car)	L				5.005	0	
Diesel (Car)	L	428.037	478.448	541.004	561.717	585.589	4,25
... for finished product test							
Petrol	L	2220	2332	923	3476	3.437	-1,12
Diesel	L	8380	10000	13540	13999	22.705	62,19
Energy							
Electricity consumption	KWH	3.292.800	3.104.500	3.308.640	3.333.580	3.479.480	4,38
Water consumption	m³	16.268	9.819	10.129	11.260	9.405	-16,47
Gas consumption	KWH	7.277.879	6.741.546	6.657.377	7.562.508	7.006.967	-7,35
Heating oil consumption	Ltr.	6.000	10.000	37.589	15.409	9.056	-41,23
Fixed format							
Sheet metal to DIN	t	1.440	1.490	1.840	1.915	1.731	-9,61
Parts with DIN & norm specification							
Discs DIN 9021	St	1.786.338	1.726.572	1.950.000	2.096.400	1.959.329	0,48
Hexagon capped nut	St	1.278.602	1.254.776	1.365.000	1.461.000	1.607.829	10,05
Hexagon head screw	St	1.144.497	1.110.847	1.037.000	1.240.000	1.347.911	8,70
Hexagon weld nut	St	329.996	273.617	274.000	301.000	408.931	35,86
Suspension ring/disc	St	273.253	275.991	260.000	262.880	224.618	-14,55
Production aids							
Composition powder	kg	27.515	21.940	20.000	21.003	19.898	-5,26
Hydraulic oil	kg	18.713	25.767	22.000	19.114	22.894	19,78
Phosphate coating agent	kg	3.255	4.584	2.700	2.040	1.560	-23,53
Engine oil	L	2.225	2.252	2.700	1.476	3.200	116,80
Packaging elements							
Pallets	St	10.500	9.500	11.500	11.339	9.894	-12,74
Inner pallets	St	2.900	2.200	2.100	2.220	2.456	10,63
Collapsible cardboard boxes	St	11.000	3.850	3.900	4.218	6718	59,27
Electric parts							
Electric cables to VDE 0281	M	564.973	709.815	853.486	911.782	910.883	-0,10
Flat pin bushing	St	621.000	579.000	713.000	847.000	804.773	-4,99
Plastic bushing	St	332.800	279.000	340.000	393.000	359.959	-8,41
able socket	St	173.400	167.500	200.000	230.000	241.892	5,17
Conductor sleeve	St	115.000	111.500	130.000	150.900	101.714	-32,60
Flat pin	St	102.000	92.000	129.000	116.000	91.457	-21,16

Output	ME	2000	2001	2002	2003	2004	% changes to 2003
Products							
Cleaning machines and ancillary products	t	2,714	2,639	2,889	3,149	3,764	19,53
Sewage/total							
Powder facility	m³	17492	9850	10100	10338	8813	-14,75
Spray booth	m³	5248	2955	3030	3101	2644	-14,75
Other consumers	m³	1749	985	1010	1034	881	-14,75
Surface water	m³	7,802	0	0	0	17,193	
Waste > 50t							
Scrap metal	t	451.0	427.0	564.0	592	654.6	10,57
Shredder waste	t	78.4	130.0	124.0	154	161.3	4,74
Cardboard	t	65.0	61.0	69.0	74	83.1	12,30
Wood	t	58.0	55.0	56.0	56	44.9	-19,82
Household waste	t	71.4	72.0	53.0	61	64.8	6,23
Public waste	t	79.3	59.8	49.8	56	71.8	28,21
Emissions							
Dust	kg	223	3.3	3.7	2.6	2.5	-3,85
Steam	hl	8134	4910	5065	5630	6728	19,50
CO2	kg	8691	8699	9214	6995	7992	14,25
Nitrogen oxide	kg	4660	4961	5468	7350	5856	-20,33
HC + NOx	kg	4988	5242	5733	7712	6386	-17,19
Soot particles	kg	362	404	457	374	545	45,72
HC	kg	328	281	265	362	530	46,41
Solvent vapours	kg	121	129	150	142	93	-34,51