

Material Costs

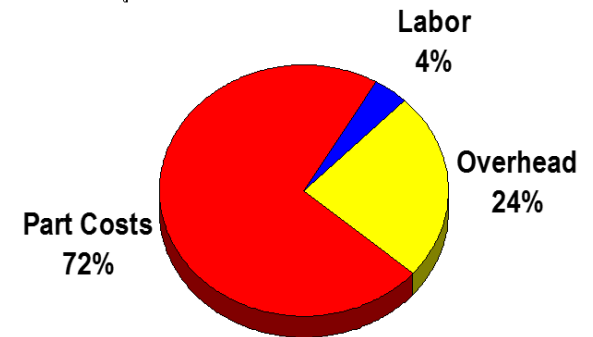
Metals & Assort Material

Alum.	\$ 0.80 /lb
Copper	\$ 2.62 /lb
Lead	\$ 0.96 /lb
Nickel	\$ 8.14 /lb
Tin	\$ 7.44/lb
Zinc	\$ 1.04 /lb
Gold	\$ 1519.60 troy oz
Silver	\$ 18.36 troy oz
Oil(wti)	\$ 58.67 /barrel
Gas	\$ 2.56 MMBTU
Rubber	\$.77/lb
Silicone	\$ 6.00 /lb fully processed
TP"X"	\$ 3.00 /lb fully processed
Steel CRC	\$ 0.28/lb
Steel CRC china	\$ 0.26/lb

Plastics *

ABS	\$ 1.23 /lb
Polycarbonate	\$ 1.71 /lb
Nylon 6	\$ 1.47 /lb
HDPE blowmold	\$ 0.89 /lb
PP	\$ 0.83 /lb
LDPE	\$ 0.70 /lb
HDPE	\$ 0.67.6 /lb
Polystyrene	\$ 1.14 / lb

Product Cost Breakdown



Source : The True Cost of Oversea Manufacturing June 2004 N. Dewhurst & D. Meeker

Sources of data:

www.indexmundi.com, www.lme.com, www.ihsmarkit.com, www.chemicaldata.com, www.ptonline.com *
volume in the 2-5 million pound range

Labor Rates



Manufacturing Hourly Wage by Chinese Province	Hourly Compensation, Manufacturing Sector	Percent of Compensation that Is Benefits	Hourly Wages, Manufacturing Sector
National Total	\$ 7.13	41%	\$4.20
Beijing Municipality	\$ 7.78	41%	\$4.59
Shanghai Municipality	\$ 7.89	41%	\$4.66
Tianjin Municipality	\$ 6.50	41%	\$3.84
Fujian Province	\$ 4.03	41%	\$2.38
Guangdong Province	\$ 4.83	41%	\$2.85
Hebei Province	\$ 4.24	41%	\$2.50
Jiangsu Province	\$ 4.87	41%	\$2.87
Liaoning Province	\$ 4.02	41%	\$2.37
Shandong Province	\$ 4.36	41%	\$2.57
Zhejiang Province	\$ 3.94	41%	\$2.32
Chongqing Municipality	\$ 4.63	41%	\$2.73
Anhui Province	\$ 4.94	41%	\$2.91
Hainan Province	\$ 4.70	41%	\$2.77
Heilongjiang Province	\$ 3.52	41%	\$2.08
Henan Province	\$ 3.70	41%	\$2.18
Hubei Province	\$ 4.47	41%	\$2.64
Hunan Province	\$ 3.84	41%	\$2.27
Jiangxi Province	\$ 4.06	41%	\$2.40
Jilin Province	\$ 3.96	41%	\$2.34
Sichuan Province	\$ 4.71	41%	\$2.78
Gansu Province	\$ 4.08	41%	\$2.41
Guizhou Province	\$ 4.59	41%	\$2.71
Qinghai Province	\$ 4.47	41%	\$2.64
Shaanxi Province	\$ 4.19	41%	\$2.47
Shanxi Province	\$ 3.76	41%	\$2.22
Yunnan Province	\$ 4.05	41%	\$2.39

Global Manufacturing Wage Study

Labor Rates

Country	Hourly Compensation, Manufacturing Sector	Benefits*	Hourly Wages, Manufacturing Sector
NA			
Argentina	\$16.24	37%	\$10.23
Australia	\$38.96	22%	\$30.39
Austria	\$54.94	44%	\$30.77
Bangladesh	\$1.17	9%	\$1.07
Belgium	\$57.54	42%	\$33.37
Brazil	\$11.29	46%	\$6.10
Bulgaria	\$6.86	26%	\$5.08
Canada	\$34.10	22%	\$26.60
Chile	\$8.80	31%	\$6.07
Mainland China	\$7.13	41%	\$4.20
Colombia	\$6.22	41%	\$3.67
Czech Republic	\$18.98	47%	\$10.06
Denmark	\$56.18	23%	\$43.26
Egypt	\$2.37	45%	\$1.30
Finland	\$49.07	39%	\$29.93
France	\$46.97	36%	\$30.06
Germany	\$52.31	39%	\$31.91
Hungary	\$12.75	40%	\$7.65
India	\$3.53	23%	\$2.72
Indonesia	\$2.13	22%	\$1.66
Ireland	\$45.04	34%	\$29.72
Israel	\$27.17	22%	\$21.32
Italy	\$34.69	33%	\$23.24
Japan	\$27.27	21%	\$21.55
Korea, South	\$26.03	25%	\$19.52
Malaysia	\$5.14	18%	\$4.21
Mexico	\$4.84	36%	\$3.10
Morocco	\$2.41	30%	\$1.68
Netherlands	\$51.11	40%	\$30.67
Norway	\$59.01	26%	\$43.67
Pakistan	\$1.45	19%	\$1.17
Peru	\$4.17	31%	\$2.88
Philippines	\$2.53	21%	\$2.00
Poland	\$11.40	25%	\$8.55
Portugal	\$14.51	40%	\$8.71
Romania	\$8.25	32%	\$5.61
Russia	\$6.87	33%	\$4.58
Saudi Arabia	\$11.23	21%	\$8.87
Serbia	\$4.48	28%	\$3.23
Singapore	\$27.46	27%	\$20.05
Slovakia	\$14.73	39%	\$8.98
South Africa	\$8.84	19%	\$7.16
Spain	\$33.44	45%	\$18.39
Sweden	\$49.19	40%	\$29.51
Switzerland	\$76.59	36%	\$49.02
Taiwan	\$13.00	28%	\$9.36
Thailand	\$2.99	19%	\$2.42
Turkey	\$3.50	30%	\$2.45
Ukraine	\$4.03	33%	\$2.68
United Arab Emirates	\$16.01	27%	\$11.76
United Kingdom	\$33.50	26%	\$24.79
United States	\$42.58	34%	\$28.10
Venezuela	\$2.71	37%	\$1.70
Vietnam	\$3.56	35%	\$2.31

Source: IHS Global Manufacturing Wage Study December 2018
 * - Percent of Compensation that Is Benefits