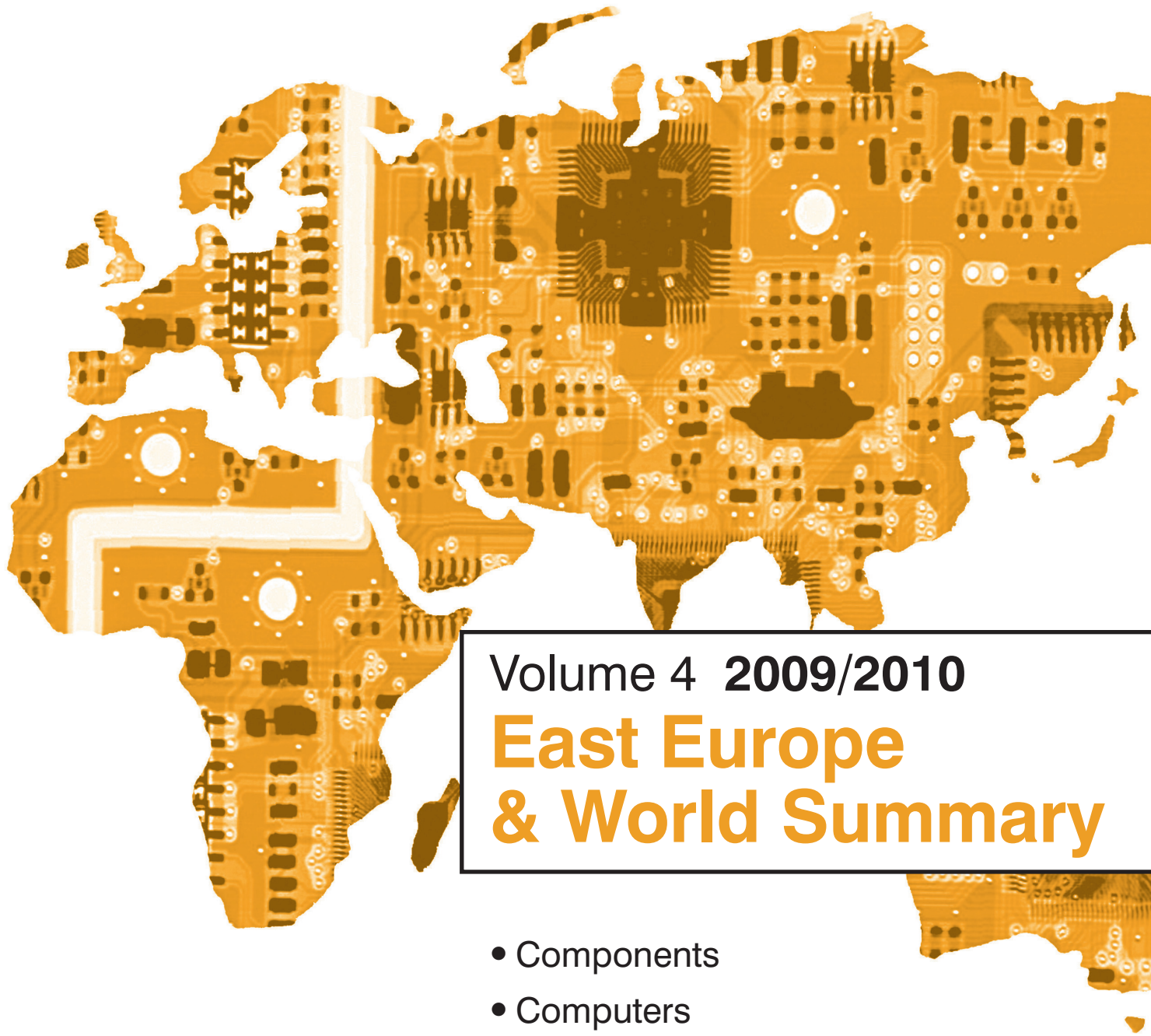


# The Yearbook of World **Electronics Data**



**Volume 4 2009/2010**

## **East Europe & World Summary**

- Components
- Computers
- Consumer
- Control and Instrumentation
- Medical and Industrial
- Office Equipment
- Radio Communications
- Telecommunications

## **Yearbook of World Electronics Data Volume 4 2009/2010 – East Europe & World Summary**



### **Introduction**

This report is part of RER's emarketforecasts.com database which brings together market and production data on 53 countries globally. In addition to published reports, including the industry benchmark series the Yearbook of World Electronics Data, information can be provided on individual countries or tailored to meet customers' specific requirements. The database is also unique in providing historical data back to 1995 and for selected countries to 1985.

### **Volume 4 East Europe & World Summary**

Published since 1991 the Volume 4 of the Yearbook of World Electronics Data provides:

- A single source solution allowing you to track the electronics industry in 12 countries in Central & Eastern Europe
- 10 major product groups
- Market and production forecasts
- Unique world summary of production (2006-2009) and market (2006-2012) data for 53 countries
- CD-option allows you to manipulate the data quickly and easily: produce your own subsets or summaries of the data, create your own forecasts or cut and paste the data into your own in-house reports and presentations

### **Who will benefit**

The Yearbook is essential research for all areas of the electronics industry including:

- Distributors and manufacturers of electronic components and materials
- Suppliers of electronic production equipment
- OEMs
- EMS Providers
- Government, including investment organizations.
- Financial and industry analysts.
- Academic institutes & universities tracking developments in the electronics industry

### **The Yearbook of World Electronics Data**

#### ***Methodology***

The Yearbooks highlight market trends and opportunities and offer corroborative evidence for individual research. Each new edition is fully revised and updated with all sources being re-analysed. Trade statistics are analysed in detail, with over 500 separate categories being employed. Production statistics are collected from Government and Manufacturer's Association sources where these are available. Extensive use is also made of research reports, company reports, news items and work by other consultants to supplement and cross check the official and semi-official sources.

Markets are forecast in real terms for the next five years, with production forecast for the next two years, using constant exchange rates and excluding inflation. Forecasts are based on historical performance of each product (of which we have extensive knowledge), the general economic outlook and the major growth influencing factors.

The data is then presented in a format which is...

... comparable **country by country** and **product by product**.

**53 country coverage, 10 major product groups**

As highlighted the Yearbook of World Electronics Data series presents market and production statistics for the GLOBAL electronics industry. Available in four published volumes covering 53 countries and 10 major product groups, the yearbook is used in the formulation of business and market planning. In particular the Yearbook enables the user to benchmark individual products or countries and regions.

## **2009 Series**

### **Volume 1 2009 West Europe**

Synopsis: Economic Overview; Electronics Market Overview; Imports 2006-2007; Exports 2006-2007; Production Data 2006-2009; Market Data 2006-2012

16 Country Coverage

Austria; Belgium; Denmark; Finland; France; Germany; Greece; Ireland; Italy; Netherlands; Norway; Portugal; Spain; Sweden; Switzerland; UK

Publication Data: January 2009

### **Volume 2 2009 America, Japan, Asia Pacific**

Economic Overview; Electronics Market Overview; Imports 2006-2007; Exports 2006-2007; Production Data 2006-2009; Market Data 2006-2012

16 Country Coverage

Australia; Brazil; Canada; Hong Kong; India; Indonesia; Israel; Japan; Malaysia; Philippines; Singapore; South Africa; South Korea; Taiwan Thailand; USA

Publication Data: April 2009

### **Volume 3 2008/2009 Emerging Markets**

Economic Overview; Electronics Market Overview; Imports 2005-2006; Exports 2005-2006; Production Data 2005-2008; Market Data 2005-2011

9 Country Coverage

China; Egypt; Mexico; New Zealand; Puerto Rico; Saudi Arabia; Turkey; Venezuela; Vietnam

Publication Data: August 2008

### **Volume 4 2009/2010 East Europe**

Economic Overview; Electronics Market Overview; Imports 2006-2007; Exports 2006-2007; Production Data 2006-2009; Market Data 2006-2012

World Summary

12 Country Coverage

Bulgaria; Croatia; Czech Republic; Estonia; Hungary; Lithuania; Poland; Romania; Russia; Slovakia; Slovenia; Ukraine

Publication Data: August 2009

For each country production and market data is supplied for the following product groups:

Computers \* Consumer \* Control & Instrumentation \* Medical & Industrial \* Office Equipment \* Other Components \* Passive Components \* Radio Communications \* Telecommunications \* Semiconductors

## **European Electronic Markets Forecast**

Stand alone market reports are one of many tools which can be used when analyzing the European and global electronics industry. However, to fully understand the market you need to track on-going developments. More importantly, you need to filter the wealth of information available into an accessible format which can be delivered directly to your computer as well as archived for future reference.

Updated monthly, European Electronic Markets Forecast is the ideal solution enabling you to track with minimum time and cost, the key issues and opportunities impacting the European electronics industry. From originally researched articles to the latest company developments and market analysis EEMF utilizes over 30 years of industry and market research experience to provide not only reliable but objective analysis and news on the European and global electronics industry.

### **Summary of Contents**

Market analysis on the principal segments of the European & global electronics industry

In-depth market overviews. Recent coverage has included photovoltaics, EMS, domestic appliances and security.

Industry News: The latest industry and company news covering research & design, communications, automotive, distribution, manufacturing and semiconductors. Financial data on the leading European companies, including trends and market outlook are also covered along with general business trends.

Asia Pacific Electronics: Highlighting the growing importance of Asia on the global electronics industry, EEMF provides a monthly summary of key developments within the region.

Price: £450 for 12 issues (pdf & hardcopy delivery). INTRODUCTORY PRICE OF £360

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## SAMPLE DATA

Over the following pages we provide sample data from the current edition of the report, including summary market and production data for East Europe and the World Summary. To show the country data in more detail we have included a complete edition from the last edition of the report.

## SUMMARY OF EAST EUROPE PRODUCTION 2006

Table 3.4.1

Country	\$M	\$M	\$M	\$M	\$M	\$M	\$M	\$M	\$M
	EDP	Office Equip	Control & Instr	Medical & Industrial	Radio Comms & Radar*	Telecommunications	Consumer	Compo-nents	TOTAL
Bulgaria	60	15	50	44	28	28	28	56	309
Croatia	40	6	58	37	22	95	-	71	329
Czech	5125	35	400	155	500	300	1946	1165	9626
Estonia	75	1	90	46	800	35	-	99	1146
Hungary	3850	1	650	250	5100	340	3708	1635	15534
Lithuania	30	8	48	7	30	25	101	86	335
Poland	415	30	355	130	435	975	3530	513	6383
Romania	140	10	48	120	200	300	70	170	1058
Russia	500	95	350	260	300	200	1115	540	3360
Slovakia	700	9	65	130	120	130	3295	200	4649
Slovenia	33	2	155	48	120	155	20	168	701
Ukraine	145	10	130	51	200	165	27	178	906
<b>TOTAL</b>	<b>11113</b>	<b>222</b>	<b>2399</b>	<b>1278</b>	<b>7855</b>	<b>2748</b>	<b>13840</b>	<b>4881</b>	<b>44336</b>

## SUMMARY OF EAST EUROPE MARKETS 2006

Table 3.5.1

Country	\$M	\$M	\$M	\$M	\$M	\$M	\$M	\$M	\$M
	EDP	Office Equip	Control & Instr	Medical & Industrial	Radio Comms & Radar*	Telecommunications	Consumer	Compo-nents	TOTAL
Bulgaria	426	14	107	75	286	101	214	182	1405
Croatia	463	19	92	85	277	144	192	131	1403
Czech	1434	90	678	279	819	271	704	3603	7878
Estonia	238	5	89	75	100	47	75	695	1324
Hungary	2384	46	407	357	543	325	556	6504	11122
Lithuania	285	16	75	41	195	67	139	145	963
Poland	2836	135	848	348	1666	1360	1353	2529	11075
Romania	933	46	414	184	799	554	299	606	3835
Russia	3826	187	1053	1186	5088	1376	2423	1293	16432
Slovakia	689	19	332	184	483	210	255	1564	3736
Slovenia	369	14	164	57	224	136	163	228	1355
Ukraine	561	23	306	152	572	442	227	320	2603
<b>TOTAL</b>	<b>14444</b>	<b>614</b>	<b>4565</b>	<b>3023</b>	<b>11052</b>	<b>5033</b>	<b>6600</b>	<b>17800</b>	<b>63131</b>

**SUMMARY OF WORLD MARKETS 2006**

Table 2.4.1

Country	\$M	\$M	\$M	\$M	\$M	\$M	\$M	\$M	\$M
	EDP	Office Equip	Control & Instr	Medical & Industrial	Radio Comms & Radar*	Telecomm-unications	Consumer	Compo-nents	TOTAL
Australia	6618	202	1743	677	3521	1433	3257	1765	19217
Austria	1832	65	728	228	581	407	811	969	5621
Belgium	2796	123	685	515	955	495	687	1301	7557
Brazil	15677	273	2271	704	3089	1170	3298	8622	35104
Bulgaria	426	14	107	75	286	101	214	182	1405
Canada	11272	372	3410	1519	4286	2583	4919	4204	32564
China	61469	911	12030	4323	16601	8318	12081	99620	215353
Croatia	463	19	92	85	277	144	192	131	1403
Czech	1434	90	678	279	819	271	704	3603	7878
Denmark	1383	65	286	166	338	366	386	734	3723
Egypt	252	16	51	47	330	293	203	175	1369
Estonia	238	5	89	75	100	47	75	695	1324
Finland	1254	52	450	422	255	123	350	1995	4901
France	10106	471	2625	1535	5752	2289	4271	5943	32992
Germany	19091	736	7615	3396	4071	2833	6774	17718	62234
Greece	874	83	190	122	607	358	612	273	3119
Hong Kong	4352	77	257	173	850	271	835	1517	8332
Hungary	2384	46	407	357	543	325	556	6504	11122
India	6368	116	1687	559	6523	1617	3818	3121	23809
Indonesia	793	61	305	205	1104	299	1065	2141	5973
Ireland	2322	60	232	451	438	219	371	3940	8033
Israel	2367	63	534	927	1150	224	506	1809	7580
Italy	8660	314	3319	1145	3449	1857	3406	4604	26754
Japan	35414	1474	4560	4112	23026	6862	11216	60534	147198
Lithuania	285	16	75	41	195	67	139	145	963
Malaysia	2192	61	1139	287	1096	283	669	16880	22608
Mexico	7913	135	1996	796	2948	568	2641	16347	33344
Netherlands	6321	316	1702	873	1325	922	1437	2094	14990
N Zealand	1131	65	262	119	375	262	409	325	2947
Norway	1268	74	408	194	476	227	557	394	3599
Philippines	968	31	306	84	669	441	408	3197	6104
Poland	2836	135	848	348	1666	1360	1353	2529	11075
Portugal	1112	63	206	144	598	294	565	768	3750
Puerto Rico	721	33	252	187	483	153	247	1362	3438
Romania	933	46	414	184	799	554	299	606	3835
Russia	3826	187	1053	1186	5088	1376	2423	1293	16432
Saudi Arabia	1326	59	531	339	1184	533	701	398	5070
Singapore	8003	214	1727	181	1986	468	1254	10572	24405
Slovakia	689	19	332	184	483	210	255	1564	3736
Slovenia	369	14	164	57	224	136	163	228	1355
South Africa	2629	178	687	283	1974	1231	708	592	8283
South Korea	5712	173	4441	2478	5249	1613	2511	24077	46254
Spain	4533	196	904	818	2405	2159	3015	2794	16824
Sweden	2148	74	1026	221	1103	572	895	2075	8113
Switzerland	4009	288	1378	451	1366	466	1283	1476	10718
Taiwan	4025	66	1838	460	1769	392	680	14520	23750
Thailand	3679	83	1344	457	2191	635	975	6188	15551
Turkey	2322	172	709	1100	997	708	1240	1747	8995
UK	14493	704	3538	2129	9025	2469	6481	6594	45434
Ukraine	561	23	306	152	572	442	227	320	2603
USA	104719	3680	31042	26467	93930	26255	37190	70529	393812
Venezuela	1105	49	267	138	1398	342	482	255	4036
Vietnam	822	55	219	188	739	361	615	950	3949
<b>TOTAL</b>	<b>388493</b>	<b>12918</b>	<b>103468</b>	<b>62643</b>	<b>221262</b>	<b>78404</b>	<b>130431</b>	<b>422920</b>	<b>1420539</b>

## 4.3 Czech Republic

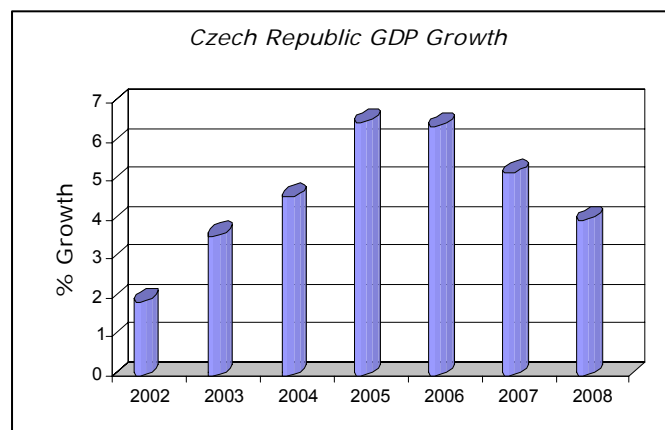
### Economic Outlook

The Czech economy grew at above 6% in 2006 with domestic demand, in particular gross fixed capital formation, the main impetus. Growth in gross fixed capital was driven by strong inflows of mainly export-orientated foreign direct investment and boosted by an increase in funds for infrastructure development. Private consumption also rose strongly on the back of increasing employment, rising salaries, cuts in direct taxation and expanding consumer credit. The increase in consumer spending contributed to a strong rise in imports which reduced the contribution of net exports. On the supply side, the main contribution to economic expansion continued to come from manufacturing, as well as trade and services. The exceptional growth of the last two years is expected to moderate in 2007 and 2008 with domestic demand providing the greater stimulus. In the first quarter of 2007 private consumption growth accelerated to 6.7% supported by real wage growth, declining unemployment and increased purchasing power through the appreciation of the koruna against the country's main trading partners. Consumer spending is expected to ease in the later part of the year while government consumption growth will lag real GDP growth in the period to 2008.

The labour market should tighten in 2007 due to the continues growth in the economy, with improving employment opportunities in most areas. While private sector salaries are expected to respond to the tightening labour market, public sector wages are likely to be more restrained. The relatively high tax wedge on labour, will temper long-term employment growth.

A competitive retail environment and the appreciation of the koruna are keeping inflation low. Underlying inflationary pressures will remain largely subdued over the forecast period, due to structural economic changes that are driving solid productivity improvements. Rises in indirect taxes and regulated prices are expected to push inflation up to 3.0% in 2008, from 2.5% in 2007.

The current prime minister Mirek Topolanek won parliamentary support for his preferred government – a three party coalition comprising the Civic Democratic Party, the Christian Democratic Union Czechoslovak People's Party and the Green Party in January 2007. With a slim majority the impact on the legislative process and economic reforms are expected to be modest.



### Czech Republic's Leading Economic Indicators

% Increase	Actual		Forecast				
	2002	2003	2004	2005	2006	2007	2008
Growth of GDP	1.9	3.6	4.6	6.5	6.4	5.2	4.0

Source: EU Economic Forecasts, Spring 2005

## Czech Republic in a European Context

### Market & Production Rankings

The following table ranks the Czech Republic's position within East & West Europe in terms of electronics production and market.

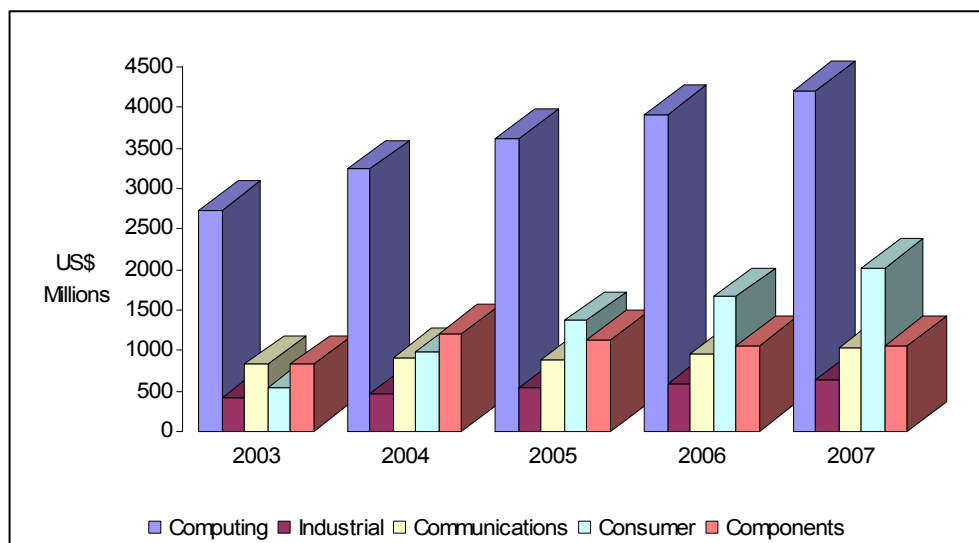
Sector	Production	Market
EDP	6 (6.3%)	19 (1.0%)
Office Equipment	9 (1.6%)	19 (1.1%)
Control & Instrumentation	15 (0.9%)	13 (1.8%)
Medical & Industrial	16 (0.7%)	16 (1.3%)
Radio Communications*	10 (1.0%)	14 (1.6%)
Telecommunications	15 (1.4%)	21 (0.9%)
Consumer	6 (6.7%)	15 (1.4%)
Components	13 (2.0%)	7 (3.8%)
<b>TOTAL</b>	<b>11 (2.8%)</b>	<b>15 (1.8%)</b>

\* Includes mobile phones

### Electronics Industry Structure

Foreign direct investment (FDI) has been a major factor in the dramatic growth in the Czech electronics industry. Between 2000 and 2005 electronics output has increased from an estimated US\$1.9 billion to US\$7.5 billion and is forecast to reach US\$8.9 billion by the end of 2007.

The computer segment has been the major beneficiary in the recent surge in FDI. In 2000 computing accounted for 10% of electronics output. By 2005 this had risen to 47%. Taiwan-based Foxconn, Europe's and the world's largest electronic manufacturing services (EMS) company started assembly of computers in 2000 and completed construction of a new facility in Pardubice in 2002. In May 2007 Foxconn announced plans for a second facility in the country. Representing a reported investment of US\$147 million the new plant will be located in Kutna Hora and is expected to be completed by 2008. When fully operational the plant could employ up to 5,000 people. Other Taiwanese companies with computer related manufacturing facilities in the country include First International Computer (FIC), ASUSTek Computer, which completed construction of a new plant in the summer of 2005, GigaByte and BenQ.



Czech Republic Production 2003-2007

Communications equipment accounted for 12% of total electronics output in 2005, with mobile communications (including radar and navigation) the major segment accounting for 65% of the total. Production of mobile communications equipment, however, declined in 2005 while output of fixed telecommunications increased by 26% to US\$315 million.

Celestica, one of the world's leading contract electronics manufacturers has a strong presence in the country being a leading producer of both computing and communications equipment. In addition to a plant in Ráječko the company acquired Sagem's mobile phone plant in Kladno in 2001. Panasonic (Matsushita) has a plant in Pardubice and is a major manufacturer of mobile phones. The production plant was opened in the third quarter of 2002, the Japanese company transferring production from the UK.

There are a number of Czech companies producing communications equipment including STROM Telecom s.r.o, TTC Telekomunikace Praha, 2N Telekomunikace, TESLA Praha and TSE.

In 2005 an estimated 1.7 million colour TVs were produced in the Czech Republic, up marginally on the prior year. The Czech Republic has a number of established manufacturers as well as companies who are in the process of constructing facilities in the country. The principal manufacturers include Benq (Brno); Changhong (Nymbark), opened November 2006; Hitachi (Usti region), opening Summer 2007, Matsushita (Plzen); FIC/Sampo/Nexgen Mediatech (Rudná u Prahy); Tatung (Plzen); Teco (near Prague); Wistron (scheduled to open 2007)

The major manufacturer is the Japanese group Matsushita Electric (Panasonic) who established its initial facility in Plzen in 1996, the company transferring production from the UK to the site. The facility has subsequently been expanded and serves the European market. Hitachi has announced plans to establish a Euro 60 million flat panel TV manufacturing plant 80km northwest of Prague in the Triangle industrial zone in the Usti region, with initial production to start in summer 2007. Capacity is expected to be about 80,000 TVs per month and the plant will in addition produce 100,000 plasma display panel modules per month.

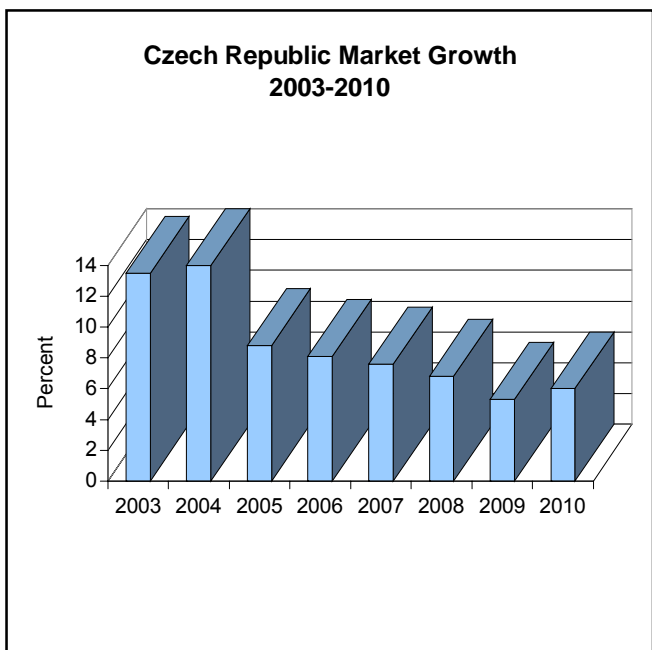
Reflecting the significant investment in manufacturing capacity TV production was estimated to have increased to 2.1 million units in 2006 and is forecast to reach 2.7 million in 2007.

Production of digital audio equipment has also increased with a sharp increase in 2004 and 2005. Panasonic at its plant in Pardubice is a major producer of car radios. The Danish company Bang & Olufson opened a new production facility in the industrial zone of Kopřivnice in 2005.

There are a number of indigenous and foreign manufacturers of electronic components in the Czech Republic. In 2005 electronics components accounted to 15% of output.

Leading foreign manufacturers include:

AVX Czech Republic, a subsidiary of the US company AVX, started production of tantalum capacitors in Lanškroun in 1993. Fellow US group Vishay Intertechnology



has also moved production of capacitors and resistors to the country and has five production plants in Přeštice, Blatná, Prachatice, Volary and Dolní Rychnov by Sokolov.

US-based ON Semiconductor has a production facility in Roznov the plant benefiting from the company's decision to relocate production to the site from France and the US. In December 2003 the Czech companies TESLA SEZAM and Terosil merged with ON Semiconductor.

#### **List of Sources**

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EEC External Trade - Eurostat  
Electronics Weekly - Reed Business Information  
EU Economic Forecasts – Spring 2007  
European Electronics Market Forecast - Reed Electronics Research  
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Trade Statistics - United Nations

**CZECH REPUBLIC PRODUCTION**

<b>ELECTRONIC DATA PROCESSING</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Computers Systems & Peripherals	CzKM	65790	67637	68932	74291
	\$M	<b>2550</b>	<b>2830</b>	<b>3050</b>	<b>3287</b>
Accessories & Parts	CzKM	16770	17925	18449	20080
	\$M	<b>650</b>	<b>750</b>	<b>816</b>	<b>889</b>
<b>EDP Total</b>	CzKM	82560	85562	87381	94371
	\$M	<b>3200</b>	<b>3580</b>	<b>3866</b>	<b>4176</b>
<b>OFFICE EQUIPMENT</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Office Equipment Total</b>	CzKM	903	837	775	760
	\$M	<b>35</b>	<b>35</b>	<b>34</b>	<b>34</b>
<b>CONTROL &amp; INSTRUMENTATION</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Control &amp; Instrumentation Total</b>	CzKM	8385	9321	9695	10665
	\$M	<b>325</b>	<b>390</b>	<b>429</b>	<b>472</b>
<b>MEDICAL &amp; INDUSTRIAL</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>X-Ray &amp; Medical Equipment Total</b>	CzKM	1548	1554	1587	1713
	\$M	<b>60</b>	<b>65</b>	<b>70</b>	<b>76</b>
<b>Industrial Equipment Total</b>	CzKM	1935	1912	1935	2051
	\$M	<b>75</b>	<b>80</b>	<b>86</b>	<b>91</b>
<b>Medical &amp; Industrial Total</b>	CzKM	3483	3466	3521	3764
	\$M	<b>135</b>	<b>145</b>	<b>156</b>	<b>167</b>
<b>COMMUNICATIONS &amp; RADAR</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Communications &amp; Radar Total</b>	CzKM	16770	13743	14035	14877
	\$M	<b>650</b>	<b>575</b>	<b>621</b>	<b>658</b>
<b>TELECOMMUNICATIONS</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Telecommunications Total</b>	CzKM	6450	7529	7689	8304
	\$M	<b>250</b>	<b>315</b>	<b>340</b>	<b>367</b>
<b>CONSUMER</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Video Equipment</b>					
Colour Television	CzKM	18628	25167	30312	38738
	\$M	<b>722</b>	<b>1053</b>	<b>1341</b>	<b>1714</b>
	No.th	1600	1700	2122	2658
Digital Cameras	CzKM	-	478	678	904
	\$M	-	<b>20</b>	<b>30</b>	<b>40</b>
	No.th	-	10	20	35
<b>Video Equipment Total</b>	CzKM	18628	25645	30990	39642
	\$M	<b>722</b>	<b>1073</b>	<b>1371</b>	<b>1754</b>

**CZECH REPUBLIC PRODUCTION (cont)**

<b>CONSUMER</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Total Audio Equipment</b>	CzKM	6450	6573	6837	7383
	<b>\$M</b>	<b>250</b>	<b>275</b>	<b>303</b>	<b>327</b>
<b>Personal Consumer Equipment Total</b>	CzKM	258	359	373	403
	<b>\$M</b>	<b>10</b>	<b>15</b>	<b>17</b>	<b>18</b>
<b>Consumer Total</b>	CzKM	25336	32576	38200	47428
	<b>\$M</b>	<b>982</b>	<b>1363</b>	<b>1690</b>	<b>2099</b>
<b>COMPONENTS</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
<b>Active Components</b>					
Valves & Tubes	CzKM	11610	6334	3006	1492
	<b>\$M</b>	<b>450</b>	<b>265</b>	<b>133</b>	<b>66</b>
Discrete Semiconductors	CzKM	516	1912	1853	1966
	<b>\$M</b>	<b>20</b>	<b>80</b>	<b>82</b>	<b>87</b>
Integrated Circuits	CzKM	5160	6214	6464	6983
	<b>\$M</b>	<b>200</b>	<b>260</b>	<b>286</b>	<b>309</b>
<b>Active Components Total</b>	CzKM	17286	14460	11323	10441
	<b>\$M</b>	<b>670</b>	<b>605</b>	<b>501</b>	<b>462</b>
<b>Passive Components</b>					
Capacitors	CzKM	6656	6023	5953	6220
	<b>\$M</b>	<b>258</b>	<b>252</b>	<b>263</b>	<b>275</b>
Resistors	CzKM	258	215	202	201
	<b>\$M</b>	<b>10</b>	<b>9</b>	<b>9</b>	<b>9</b>
Connectors, Switches Relays & Inductors	CzKM	3922	3466	3360	3444
	<b>\$M</b>	<b>152</b>	<b>145</b>	<b>149</b>	<b>152</b>
Printed Circuit Boards	CzKM	851	837	850	914
	<b>\$M</b>	<b>33</b>	<b>35</b>	<b>38</b>	<b>40</b>
<b>Passive Components Total</b>	CzKM	11687	10540	10365	10780
	<b>\$M</b>	<b>453</b>	<b>441</b>	<b>459</b>	<b>477</b>
<b>Other Components</b>					
<b>Other Components Total</b>	CzKM	2064	2151	2237	2461
	<b>\$M</b>	<b>80</b>	<b>90</b>	<b>99</b>	<b>109</b>
<b>Components Total</b>	CzKM	31037	27150	23925	23682
	<b>\$M</b>	<b>1203</b>	<b>1136</b>	<b>1059</b>	<b>1048</b>

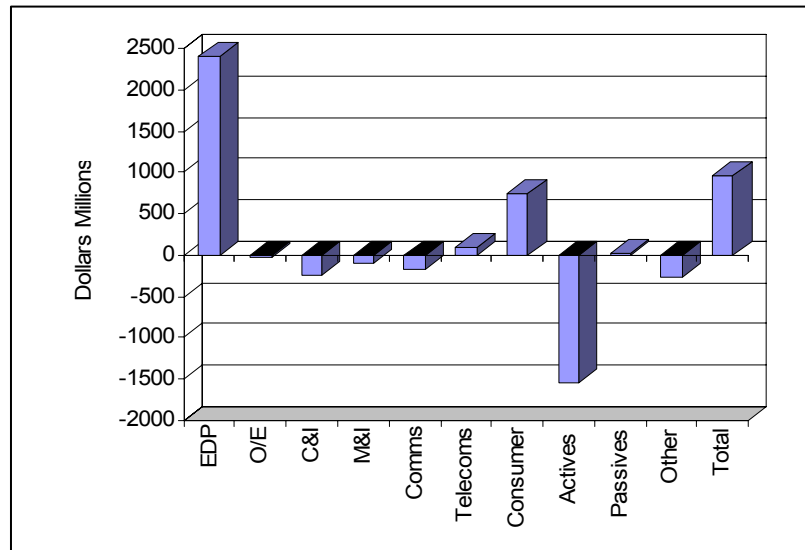
**CZECH REPUBLIC PRODUCTION (cont)**

		2004	2005	2006	2007
<b>TOTAL PRODUCTION - CZECH REPUBLIC</b>	CzKM	174924	180182	185220	203850
	\$M	6780	7539	8196	9020

Notes: 2004 - 2006 are current figures at current exchange rates. 2007 are forecasts at 2006 constant values and exchange rates (i.e. inflation is not included)

Base Year 2005

Notes: Estimates & forecast are made in US\$ with local values shown for guidance only



**Czech Republic Trade Balance 2005**

**CZECH REPUBLIC MARKETS**

<b>ELECTRONIC DATA PROCESSING</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
Computers Systems & Peripherals	CzKM	20614	21104	22058	24381	26700	28434	30278	%
	\$M	<b>799</b>	<b>883</b>	<b>976</b>	<b>1079</b>	<b>1181</b>	<b>1258</b>	<b>1340</b>	8
Accessories & Parts	CzKM	6347	6931	7102	7696	8263	8627	9007	
	\$M	<b>246</b>	<b>290</b>	<b>314</b>	<b>341</b>	<b>366</b>	<b>382</b>	<b>399</b>	6
<b>Total EDP Market</b>	CzKM	26961	28035	29161	32077	34964	37062	39285	
	\$M	<b>1045</b>	<b>1173</b>	<b>1290</b>	<b>1419</b>	<b>1547</b>	<b>1640</b>	<b>1738</b>	8

<b>OFFICE EQUIPMENT</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Total Office Equipment Market</b>	CzKM	1342	1315	1268	1293	1319	1345	1372	%
	\$M	<b>52</b>	<b>55</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>60</b>	<b>61</b>	2

<b>CONTROL &amp; INSTRUMENTATION</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Total Control &amp; Instrumentation</b>	CzKM	15635	14866	14479	14768	15359	15820	16295	%
	\$M	<b>606</b>	<b>622</b>	<b>641</b>	<b>653</b>	<b>680</b>	<b>700</b>	<b>721</b>	3

<b>MEDICAL &amp; INDUSTRIAL</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Total X-Ray &amp; Medical Equip</b>	CzKM	4076	4183	4153	4319	4578	4761	4999	%
	\$M	<b>158</b>	<b>175</b>	<b>184</b>	<b>191</b>	<b>203</b>	<b>211</b>	<b>221</b>	5
<b>Total Industrial Equipment</b>	CzKM	1445	1458	1420	1463	1506	1552	1598	
	\$M	<b>56</b>	<b>61</b>	<b>63</b>	<b>65</b>	<b>67</b>	<b>69</b>	<b>71</b>	3
<b>Total Medical &amp; Industrial Market</b>	CzKM	5521	5640	5573	5781	6084	6313	6597	
	\$M	<b>214</b>	<b>236</b>	<b>247</b>	<b>256</b>	<b>269</b>	<b>279</b>	<b>292</b>	4

<b>COMMUNICATIONS &amp; RADAR</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Total Communications &amp; Radar</b>	CzKM	18757	17973	18185	19276	20433	21250	22100	%
	\$M	<b>727</b>	<b>752</b>	<b>805</b>	<b>853</b>	<b>904</b>	<b>940</b>	<b>978</b>	5

<b>TELECOMMUNICATIONS</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Total Telecommunications Market</b>	CzKM	6373	5258	5121	5224	5380	5488	5653	%
	\$M	<b>247</b>	<b>220</b>	<b>227</b>	<b>231</b>	<b>238</b>	<b>243</b>	<b>250</b>	2

<b>CONSUMER</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Video Equipment</b>									%
Colour Television	CzKM	4592	4589	4540	4659	4781	4859	4938	
	\$M	<b>178</b>	<b>192</b>	<b>201</b>	<b>206</b>	<b>212</b>	<b>215</b>	<b>218</b>	2
	No.th	875	925	977	1013	1050	1078	1106	
Video Recorders & DVD Players	CzKM	1574	1577	1561	1602	1644	1670	1697	
	\$M	<b>61</b>	<b>66</b>	<b>69</b>	<b>71</b>	<b>73</b>	<b>74</b>	<b>75</b>	2
	No.th	425	485	518	542	567	588	609	

**CZECH REPUBLIC – MARKETS (cont)**

<b>CONSUMER (cont)</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
%									
<b>Video Equipment (cont)</b>									
Digital Cameras	CzKM	3406	3537	3534	3663	3796	3896	3999	
	\$M	<b>132</b>	<b>148</b>	<b>156</b>	<b>162</b>	<b>168</b>	<b>172</b>	<b>177</b>	3
	No.th	400	425	458	484	512	536	561	
<b>Total Video Equipment</b>	CzKM	9572	9703	9634	9923	10221	10426	10634	
	\$M	<b>371</b>	<b>406</b>	<b>426</b>	<b>439</b>	<b>452</b>	<b>461</b>	<b>471</b>	2
<b>Audio Equipment</b>									
<b>Total Audio Equipment</b>	CzKM	4102	4039	4010	4171	4254	4339	4426	
	\$M	<b>159</b>	<b>169</b>	<b>177</b>	<b>185</b>	<b>188</b>	<b>192</b>	<b>196</b>	2
<b>Personal Consumer Equipment</b>									
<b>Total Personal Consumer Equipment</b>	CzKM	903	932	899	917	935	954	973	
	\$M	<b>35</b>	<b>39</b>	<b>40</b>	<b>41</b>	<b>41</b>	<b>42</b>	<b>43</b>	2
<b>Total Consumer Market</b>	CzKM	14577	14675	14544	15011	15411	15719	16033	
	\$M	<b>565</b>	<b>614</b>	<b>644</b>	<b>664</b>	<b>682</b>	<b>696</b>	<b>709</b>	2
<b>COMPONENTS</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
%									
<b>Active Components</b>									
Valves & Tubes	CzKM	3818	2653	1514	904	542	294	158	
	\$M	<b>148</b>	<b>111</b>	<b>67</b>	<b>40</b>	<b>24</b>	<b>13</b>	<b>7</b>	-43
Discrete Semiconductors	CzKM	3612	3824	3842	4023	4226	4362	4565	
	\$M	<b>140</b>	<b>160</b>	<b>170</b>	<b>178</b>	<b>187</b>	<b>193</b>	<b>202</b>	4
Integrated Circuits	CzKM	43886	44765	46149	49833	54308	58127	63348	
	\$M	<b>1701</b>	<b>1873</b>	<b>2042</b>	<b>2205</b>	<b>2403</b>	<b>2572</b>	<b>2803</b>	8
<b>Total Active Components</b>	CzKM	51316	51242	51505	54760	59076	62783	68071	
	\$M	<b>1989</b>	<b>2144</b>	<b>2279</b>	<b>2423</b>	<b>2614</b>	<b>2778</b>	<b>3012</b>	7
<b>Passive Components</b>									
Capacitors	CzKM	722	717	692	705	718	724	736	
	\$M	<b>28</b>	<b>30</b>	<b>31</b>	<b>31</b>	<b>32</b>	<b>32</b>	<b>33</b>	2
Resistors	CzKM	464	502	484	493	503	507	515	
	\$M	<b>18</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>23</b>	2
Connectors, Switches Relays & Inductors	CzKM	2425	2318	2214	2234	2253	2249	2265	
	\$M	<b>94</b>	<b>97</b>	<b>98</b>	<b>99</b>	<b>100</b>	<b>100</b>	<b>100</b>	1
Printed Circuit Boards	CzKM	6424	6334	6411	6858	7331	7757	8282	
	\$M	<b>249</b>	<b>265</b>	<b>284</b>	<b>303</b>	<b>324</b>	<b>343</b>	<b>366</b>	7
<b>Total Passive Components</b>	CzKM	10036	9871	9800	10291	10805	11237	11799	
	\$M	<b>389</b>	<b>413</b>	<b>434</b>	<b>455</b>	<b>478</b>	<b>497</b>	<b>522</b>	5

**CZECH REPUBLIC – MARKETS (cont)**

<b>COMPONENTS</b>		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>Total Other Components</b>	CzKM	5702	8532	11295	14684	16153	17768	19189	%
	\$M	<b>221</b>	<b>357</b>	<b>500</b>	<b>650</b>	<b>715</b>	<b>786</b>	<b>849</b>	14
<b>Total Components Market</b>	CzKM	67054	69645	72601	79734	86034	91788	99060	
	\$M	<b>2599</b>	<b>2914</b>	<b>3212</b>	<b>3528</b>	<b>3807</b>	<b>4061</b>	<b>4383</b>	8
		<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>CAAGR</b>
<b>TOTAL MARKET – CZECH REPUBLIC</b>	CzKM	156219	157405	160931	173165	184984	194784	206395	%
	\$M	<b>6055</b>	<b>6586</b>	<b>7121</b>	<b>7662</b>	<b>8185</b>	<b>8619</b>	<b>9133</b>	6

Notes: 2004 to 2006 are current figures at current exchange rates

2007 to 2010 are forecasts at 2006 constant values & exchange rates (ie. Inflation is not included)

CAAGR column indicates true annual average growth between 2006 and 2010

Base year 2005.

Notes: Estimates & forecast are made in US\$ with local values shown for guidance only

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