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THE YEARBOOK OF WORLD ELECTRONICS DATA

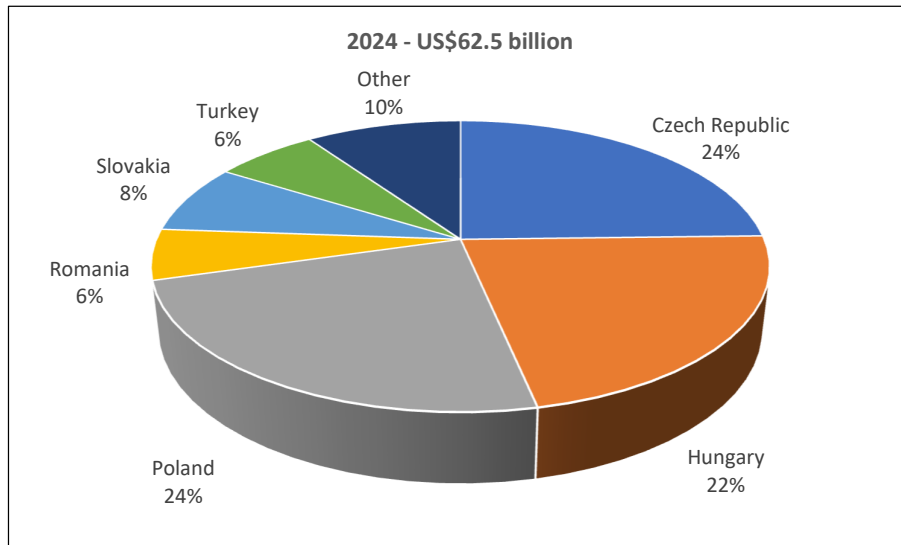
Components
Computers
Consumer
Control and Instrumentation
Medical and Industrial
Office Equipment
Radio Communications
Telecommunications

Volume Three EAST EUROPE & WORLD SUMMARY

2025

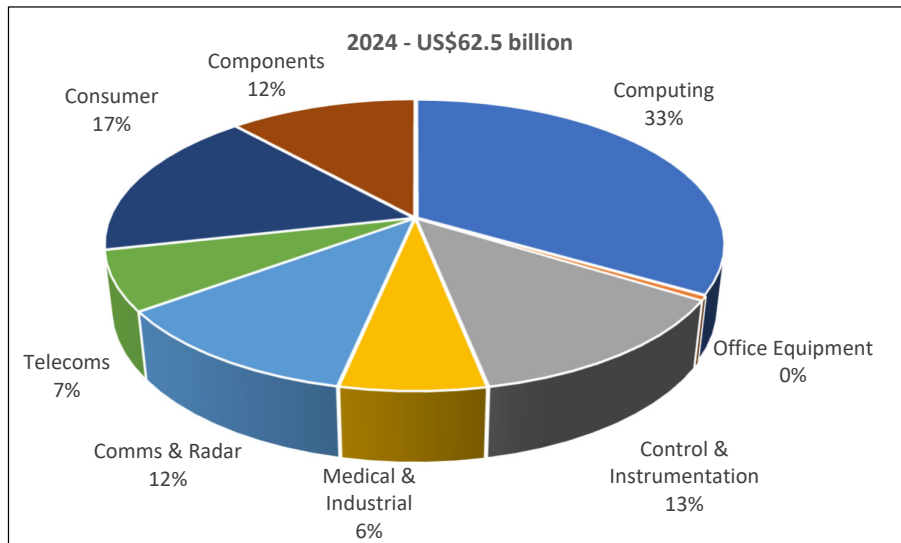
Yearbook of World Electronics Data Volume 3 2025 – World Summary and Overview of Electronics Production & Markets in CEE

CEE's electronics industry is focused on a small number of major global OEMs and electronic manufacturing services providers with the focus on the 3C segments. In total, the 3C segments amounted to US\$42.8 billion in 2024, 77.5% of electronics equipment output. 3C production is centered on five countries with Poland, Slovakia and Turkey major centres for TV production. Production in the Czech Republic is focused on computing while Hungary is produces a combination of computing and consumer electronics related equipment.



CEE Electronics Production by Country 2024

After declining in 2023, on the back of the slowdown in the PC market, the production of computer equipment surged in 2024 with growth of 21.5% with output forecast to increase by a further 12.3% in 2025. Growth has been driven by the demand for servers and other equipment related to AI and data centres. The Czech Republic, Hungary and Poland have been the main beneficiaries with computer related output in the three countries increasing by 28.2% in 2024 and a forecasted 13.2% in 2025.



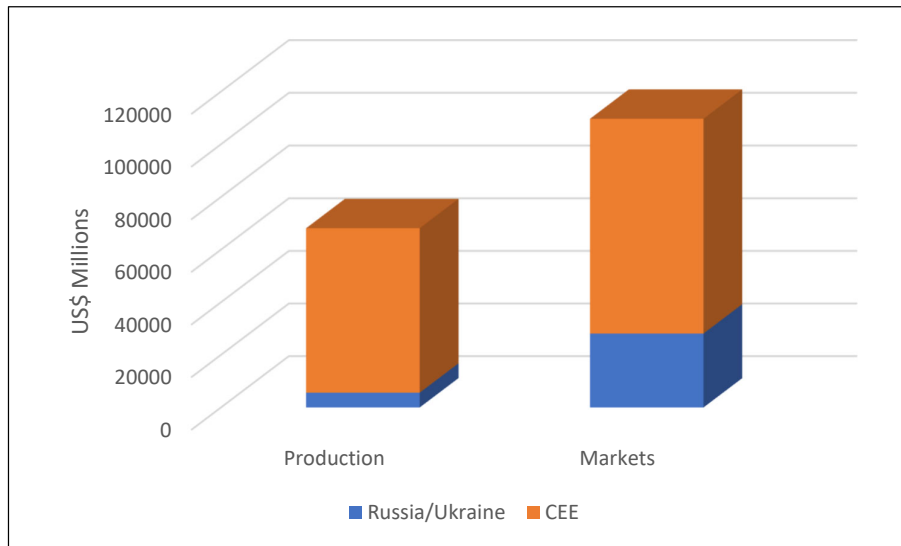
CEE Electronics Production by Product 2024

The focus on 3C has been a key factor in the growth of electronics industry across CEE. However, with volume manufacturing in the hands of a relatively few companies the region continues to be vulnerable to the individual strategies of the company. Companies will need to balance the advantages of producing in close proximity to the European market against the advantages offered through lower costs by utilising manufacturing facilities in China and increasingly other Asian countries.

Industrial and high-end communications equipment production within the region will continue to take an increasing share of production, although in overall percentage terms it will remain low because of the dominant position held by the 3C segment. Although this will be led by foreign investment as companies look to move production from higher cost West European locations or in the case of non-European companies look to establish a low-cost manufacturing base to serve the European market, it is also an area where indigenous companies will compete.

The region is already a production base for many of the leading European Electronic Manufacturing Services (EMS) providers with the proportion of production undertaken in the region forecast to increase over the period to 2028. Although the major players with large volume production plants will continue to dominate in value terms companies over the period there will be significant investment by medium-sized companies looking for a lower-cost European production base.

Within CEE, components accounted for only 11.6% of electronics output in 2024. There are a number of indigenous companies although they tend to be small and focused on passive components. Foreign companies who have established operations in the country including Infineon Technologies and onsemi, both companies expanding their existing semiconductor facilities in the region with onsemi in June 2024 announcing plans to invest US\$2 billion to expand silicon carbide wafer production at its existing operations in the Czech Republic.



East European Electronics Production & Market by Region 2024

Apart from the impact on Europe and globally, Russia's invasion of Ukraine continues to influence the country's electronics industry. For the current report we have provided information on the structure of the industry in 2024. The forecasts for Russian production and markets, which are largely based on an analysis of ITC and UN trade data, limited government statistics and Russian media sources, assume that output in US dollars will increase by 9.1% in 2024 and 14.5% in 2025. Following two years of double-digit declines output for the Ukrainian electronics industry increased by 20.9% in 2024 and is forecast to increase by a further 9.5% in 2025.

In 2024, Russia and Ukraine accounted for 8.2% of electronics production in the region and 25.6% of the market. At the end of 2024 electronics production in Russia and Ukraine was an estimated US\$5.6 billion and compared to US\$5.1 billion in the prior year, with growth in value terms being driven by developments in Russia. In the same period the electronics market increased by 5.1% to US\$28.1 billion (2023: US\$26.7 billion).

Yearbook of World Electronics Data - Volume 3 East Europe & World Summary

Published since 1991 the Volume 3 of the Yearbook of World Electronics Data provides:

- Unique **World Summary** covering the 53 countries in the Yearbook of World Electronics Data series
- A single source solution allowing you to track the electronics industry in 13 countries in CEE
- 13 major product groups.
- Market and production forecasts.
- 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 providing key data 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

The Yearbook of World Electronics Data series presents market and production statistics for the GLOBAL electronics industry. Available in three published volumes covering 53 countries and 13 major product groups, the yearbook is used in the formulation of business and market planning, in tracking trends based on a clear understanding of how the industry has developed historically and to provide a basis for medium and long-term forecasting.

53 country coverage, 13 major product groups

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

Methodology

The Yearbooks highlight market trends and opportunities and offer corroborative evidence for individual research. Each new edition is fully revised and updated. Trade statistics are analyzed 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 a production forecast for the next two years, using constant exchange rates and excluding inflation. These are based on our extensive knowledge of the historical performance of each product, the general economic outlook and the major growth influencing factors.

2025 Series

Volume 1 2025 West Europe

Synopsis: Economic Overview; Electronics Market Overview; Imports 2022-2023; Exports 2022-2023; Production Data 2022-2025; Market Data 2022-2028

16 country coverage

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

Publication Date: August 2025

Volume 2 2025 America, Japan, Asia Pacific

Synopsis: Economic Overview; Electronics Market Overview; Imports 2022-2023; Exports 2022-2023; Production Data 2022-2025; Market Data 2022-2028

19 country coverage

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

Publication Data: September 2025

Volume 3 2025 East Europe & World Summary

Synopsis: Economic Overview; Electronics Market Overview; Imports 2022-2023; Exports 2022-2023; Production Data 2022-2025; Market Data 2022-2028

53 Country World Summary covering production data 2022-2025 and market data for 2022-2028

13 country coverage

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

Publication Data: October 2025

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

- Computers
- Consumer – Video; Audio; Personal
- Control & Instrumentation
- Medical & Industrial
- Office Equipment
- Radio Communications
- Telecommunications
- Components – Passive Components; Semiconductors; Other Components

Related Products & Services

European Electronics Production 2000-2027

As part of its program of research covering developments in the European electronics industry RER has released a new statistical database providing a medium-term outlook for electronics production in Europe. Covering the period 2000-2027, the research allows you to track developments both geographically and by major product group.

The database is provided as an Excel spreadsheet providing production data for 13 product groups and 29 countries split by Western Europe and Central and Eastern Europe.

Global Electronics Production & Markets

European Electronics Production 2000-2028

As part of its program of research covering developments in the European electronics industry RER has released a new statistical database providing a medium-term outlook for electronics production in Europe. Covering the period 2000-2028 the research allows you to track developments both geographically and by major product group.

The database is provided as an Excel spreadsheet providing production data for 13 product groups and 27 countries split by Western Europe and Central and Eastern Europe.

Global Electronics Production & Markets

Launched in 2012, Global Electronics Production & Markets provides top line analysis on the global electronics industry

for the period 1995 to 2028 for markets and 1995-2025 for production. Through two Excel databases you can quickly analyze the structure of the global industry and how it has changed both geographically, through RER's unique coverage of 53 countries, and by thirteen major product groups. The new database will be available in October 2025.

Country Reports

Drawing on data from its core statistical database RER provides a quick, reliable and cost-effective assessment of the electronics industry for an individual country. For a full listing please visit www.rer.co.uk

Custom Research

Building on the flexibility of the two databases and the Yearbook series we can quickly search data by product or country/region to provide solutions tailored to your specific needs or budgets. Ideal for input into internal presentations/ documents the data is supplied via email.

European Electronic Markets Forecast

Market data is only one part of the equation when analyzing the European electronics industry. Updated monthly, *European Electronic Markets Forecast* (EEMF) enables 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 is your virtual "Research Analyst" utilizing over 40 years of industry and market research experience to provide you both in hardcopy and electronic formats not only reliable but objective analysis and news on the European and global electronics industry.

Summary of Contents

Market Analysis: Up-to-the-minute analysis of the key sectors of the European and Global electronics industry

Industry News: The latest industry and company news split by:

- Mergers & Acquisitions
- Automotive
- Battery Technology/Electrification
- Electronic Manufacturing Services/PCB
- Production
- Aerospace & Defence
- Semiconductors
- Renewable Energy/CleanTech

Asia Pacific Electronics: A monthly summary of key company developments within the region.

Industry Outlook – Monthly overview of developments in the broader European manufacturing sector focusing on the latest Purchasing Managers' Index (PMI) data. In addition, the section provides regular updates on the European and global economy and developments in the supply chain.

For additional information on the above publications or Reed Electronics Research's complete range of research products please contact or visit www.rer.co.uk

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SAMPLE DATA

Over the following pages we provide sample data from the **current** edition of the report. This includes the full contents, summary data for both production and markets, and sample data from several countries.

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SUMMARY OF WORLD PRODUCTION 2024

Table 2.3.3

Country	\$M Computing	\$M Office Equip	\$M Control & Instr	\$M Medical & Industrial	\$M Radio Comms & Radar*	\$M Telecomm- unications	\$M Consumer	\$M Compo- nents	\$M TOTAL
Australia	559	4	954	247	1118	724	20	408	4034
Austria	179	3	1448	1002	390	342	4	2409	5778
Belgium	516	0	873	1027	543	174	5	930	4070
Brazil	7937	125	1700	334	4900	830	1666	1971	19463
Bulgaria	240	40	370	182	130	65	8	493	1528
Canada	677	4	3285	1004	3321	204	7	685	9188
China	268000	3470	22500	14500	179000	51500	37855	224400	801225
Croatia	25	4	100	64	44	42	0	122	401
Czech	9500	8	1500	345	1300	390	387	1956	15386
Denmark	249	0	1391	1104	476	65	17	409	3711
Egypt	34	1	7	11	123	12	557	27	773
Estonia	55	1	335	92	310	400	0	148	1341
Finland	40	0	1147	422	597	310	0	410	2925
France	783	54	3993	2214	11728	1398	115	7605	27891
Germany	2473	46	24200	9093	3109	1508	993	18684	60105
Greece	193	7	79	22	188	80	2	73	645
Hong Kong	114	6	45	123	99	87	228	363	1065
Hungary	5635	167	2500	350	875	825	1712	1745	13809
India	7766	79	2485	777	29869	1697	3877	2059	48607
Indonesia	1750	43	320	420	2500	1400	2580	4627	13640
Ireland	1261	4	848	2471	280	125	9	8001	12999
Israel	1320	7	2680	1775	1300	1600	17	6267	14966
Italy	766	33	4082	1801	2783	978	25	5996	16463
Japan	12684	414	9421	6447	7349	1296	1263	48099	86974
Lithuania	5	5	310	205	276	207	1	90	1099
Malaysia	14116	34	8051	1232	1510	3501	1835	52305	82584
Mexico	34875	125	3950	2604	3150	3790	12696	5816	67006
Netherlands	821	0	3228	3623	454	272	28	1335	9761
N Zealand	166	2	195	79	170	90	2	139	843
Norway	91	0	614	213	436	77	0	99	1530
Philippines	4100	85	840	388	830	655	173	9728	16799
Poland	2720	30	1090	1780	2800	1200	4431	859	14910
Portugal	38	0	245	101	402	120	921	536	2362
Puerto Rico	466	2	143	244	90	69	6	323	1344
Romania	730	12	1300	280	410	530	23	239	3524
Russia	1800	35	645	460	580	240	416	925	5101
Saudi Arabia	183	1	199	156	105	102	2	86	834
Singapore	9925	110	6343	1474	3134	375	162	70320	91844
Slovakia	540	3	235	250	215	230	2462	880	4815
Slovenia	140	5	280	73	200	90	564	351	1703
South Africa	300	1	122	73	180	188	156	99	1119
South Korea	10960	122	3150	2630	14160	904	1005	128833	161764
Spain	318	5	598	592	953	533	13	1164	4177
Sweden	60	0	1522	217	1914	931	65	581	5291
Switzerland	447	7	5364	2461	510	377	4111	2277	15555
Taiwan	35483	9	623	3458	6075	1402	380	116330	163758
Thailand	13286	317	878	371	765	2946	1387	11971	31921
Turkey	1300	8	130	390	700	140	956	402	4026
UK	2638	86	6203	3533	6585	510	224	3066	22846
Ukraine	70	2	45	140	120	70	5	68	520
USA	32076	795	48390	35695	89610	7940	707	77245	292458
Venezuela	39	2	10	17	73	19	6	18	184
Vietnam	21299	158	1025	1052	34112	9600	4061	9461	80768
TOTAL	511751	6482	181990	109618	422852	103159	88147	833434	2257433

SUMMARY OF EAST EUROPE PRODUCTION 2022

Table 3.4.1

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
Bulgaria	285	47	320	148	120	65	13	387	1385
Croatia	21	5	100	59	42	32	-	198	457
Czech	9010	10	1250	293	1350	385	473	1962	14733
Estonia	64	1	320	92	300	405	-	154	1336
Hungary	3420	280	2200	324	670	740	2769	1534	11937
Lithuania	11	8	180	160	280	184	1	138	962
Poland	2530	30	915	1555	1485	1400	5040	805	13760
Romania	640	12	1200	230	400	550	26	223	3281
Russia	1400	40	650	370	450	200	802	590	4502
Slovakia	580	7	244	219	215	210	2933	935	5343
Slovenia	130	3	275	79	200	90	370	355	1502
Turkey	1420	6	110	345	450	130	996	331	3788
Ukraine	90	2	65	139	95	80	5	87	563
TOTAL	19601	451	7829	4013	6057	4471	13428	7699	63549

SUMMARY OF EAST EUROPE MARKETS 2024

Table 3.5.3

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
Bulgaria	575	12	194	149	643	230	224	824	2851
Croatia	425	14	166	167	452	162	150	306	1842
Czech	2876	33	1410	518	1368	297	545	6077	13124
Estonia	273	4	154	107	126	53	63	547	1327
Hungary	2062	34	510	448	767	300	362	5778	10261
Lithuania	248	9	177	107	274	104	114	620	1653
Poland	4441	55	1929	642	3197	1436	1004	6129	18833
Romania	1428	37	1013	472	1830	707	321	3381	9189
Russia	7303	134	2186	1271	6623	1485	1207	2522	22731
Slovakia	1008	8	705	321	728	262	250	2215	5497
Slovenia	357	7	201	125	440	173	113	876	2292
Turkey	4708	136	2409	1496	2896	408	379	2270	14702
Ukraine	1179	34	550	315	1758	336	106	1109	5387
TOTAL	26883	517	11604	6138	21102	5953	4838	32654	109689

4.3 Czech Republic

4.3.1 Economic Overview

GDP

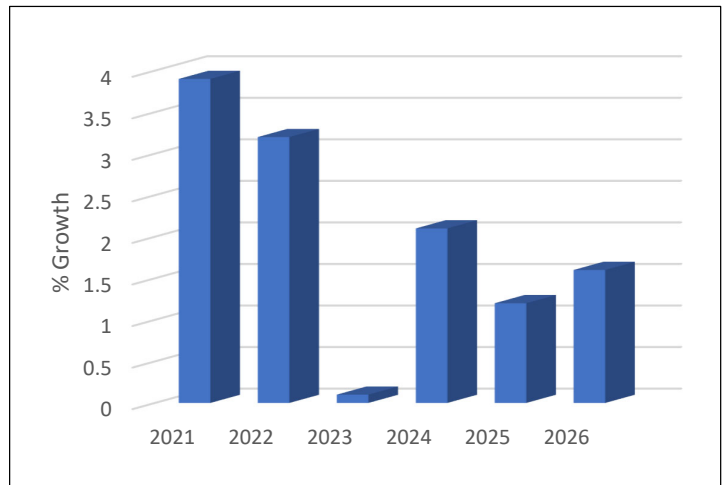
Czechia's real GDP grew by 2.1% in 2024 driven by both domestic and external demand. GDP growth is expected to ease to 1.2% in 2025 before edging up to 1.6% in 2026. Despite contracting in 2024, investment is set to resume growth in 2025 and 2026, due to an assumed increased absorption of EU funds, a recovery in residential construction and foreign direct investment.

Inflation

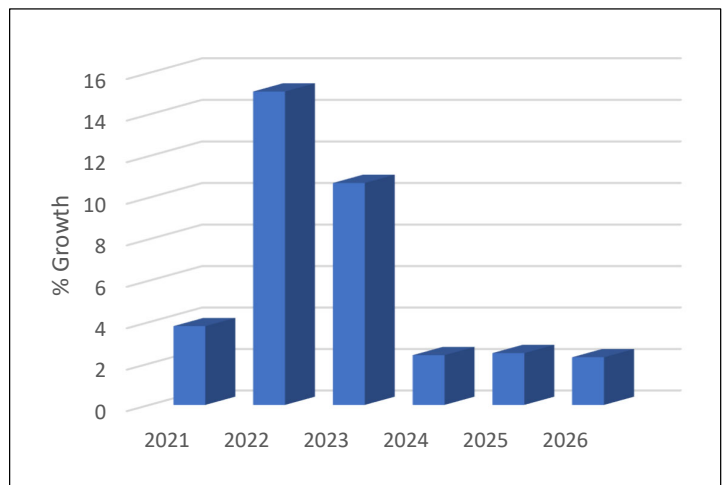
HICP headline inflation slowed to 2.7% in 2024 and eased to 2.5% in August 2025 from 2.7% in the previous month, and within the central bank's tolerance range. For the full year inflation is expected to remain low at 2.2% in 2025 and slow further to 2.0% in 2026.

Employment

Despite the acceleration of economic growth, the unemployment rate is expected to remain stable at 2.6% for the coming two years, one of the lowest in the EU. Recent structural changes in the Czech economy are also reflected in employment, with declining employment in manufacturing, offset by rising employment in services. Nominal wage growth surpassed inflation in 2024 and reached 5.9% and is forecast to continue at 6.5% in 2025 and 5.3% in 2026.



GDP 2021-2026



Consumer Prices 2021-2026

Czech Republic Leading Economic Indicators

% Increase	Actual			Forecast		
	2021	2022	2023	2024	2025	2026
Real GDP Growth	3.9	3.2	0.1	2.1	1.2	1.6
Consumer Prices	3.8	15.1	10.7	2.4	2.5	2.3

Source: IMF, EU Economic Forecast

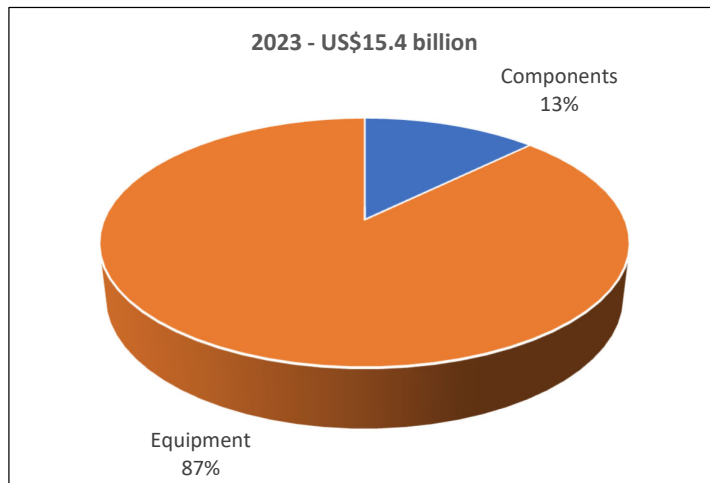
4.3.2 Electronics Industry Overview

Overview

Summary of Czech Electronics Production 2020-2025

US\$ Millions	2020	2021	2022	2023	2024	2025
Computing	8259	9259	9020	7868	9508	10648
Industrial	1137	1335	1543	1790	1845	1995
Communications	1495	1630	1735	1875	1690	1737
Consumer	644	592	473	387	387	377
Components	1578	2033	1962	1966	1956	2029
Total	13113	14849	14733	13886	15386	16785

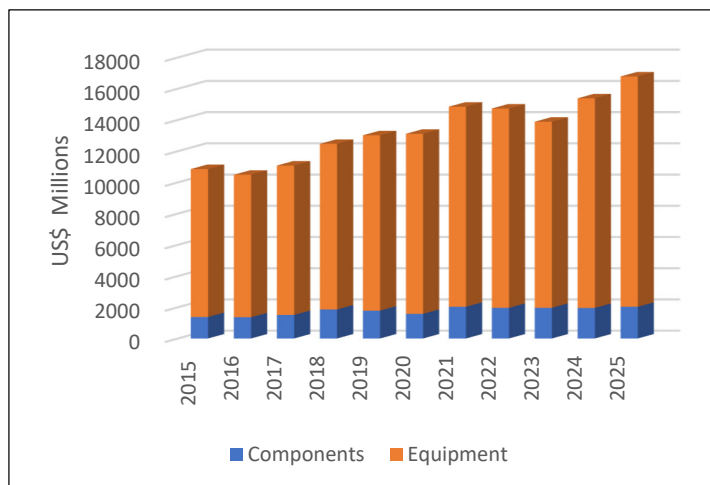
Notes: Computing includes office equipment; Industrial combines control and instrumentation and medical and industrial; and communications combines fixed and wireless communications (inc. defence). Due to computer rounding the summary figures above may differ slightly from the figures presented in the main tables.



In local currency after declining by 10.6% in 2023 the Czech electronics industry rebounded strongly in 2024 with growth of 15.8% on the back of increased demand for equipment related to AI and data centres.

Electronics equipment output, which accounted for 87.3% of electronics production in 2024, increased by 17.7% (+ 12.7% in US dollars) while electronic component production increased by 4.0% (down 0.5% in US dollars).

Czech Electronics Production 2024



Czech Electronics Production 2015-2025

Electronics Equipment

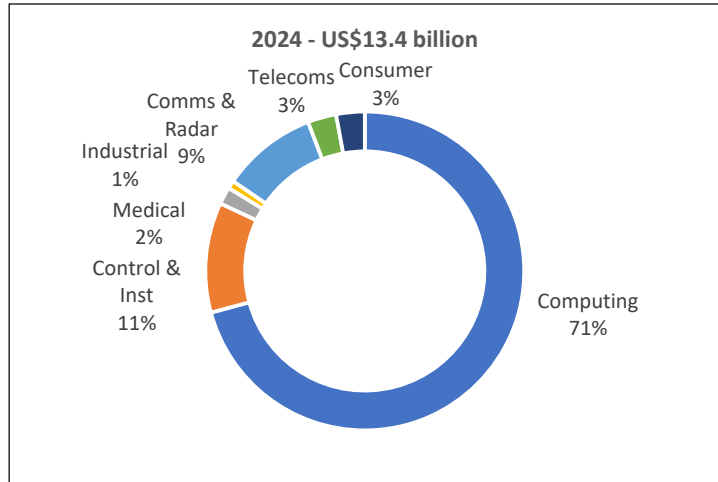
The computer segment accounted for 70.7% of electronics equipment output in 2024 up from 17% in 2000. Growth has been driven by a small number of major multinationals the most important Foxconn, Europe's and the world's largest electronic manufacturing service (EMS) provider.

The production of computers and related equipment after declining by 17.2% in 2023 rebounded in 2024 with growth of 26.3% (20.9% in US dollars) and is forecast to increase by a further 12.0% in 2025.

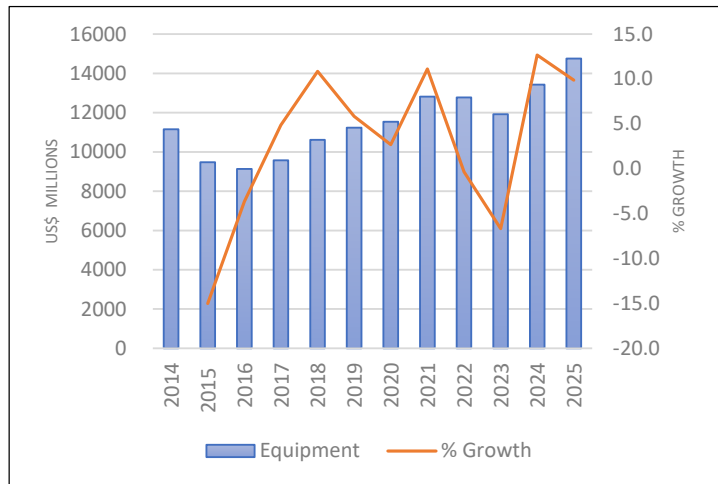
Communications equipment accounted for 12.6% of total electronics equipment output in 2024, with wireless and radar (inc. defence) accounting for 82.2% of the total.

In local currency, after two years of double-digit declines the consumer video segment increased by 4.5% while the output of audio equipment posted a modest increase of 0.5%. Output for the consumer video segment is forecast to increase by 0.8% in 2025 while the production of consumer audio equipment is forecast to decline by 10.0%.

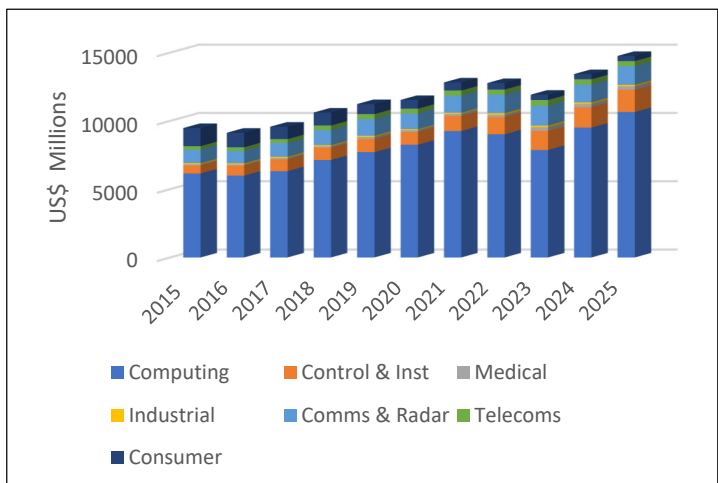
In contrast, the production of industrial related equipment posted growth in local currency of 10.3%, 24.6%, 10.1% and 7.7% in 2021, 2022, 2023 and 2024, respectively. In 2024, the main category control and instrumentation increased by 12.0% although this was offset by declines of 5.5% and 11.6% in the production of medical and industrial equipment. All three segments are forecast to post growth in 2025. Overall, the industrial segment accounted for 13.7% of electronic equipment output in 2024 up from 7.9% in 2015.



Czech Electronics Equipment Production by Sector 2024



Czech Electronics Equipment Production 2014-2025



Czech Electronics Equipment Production by Sector 2015-2025

Components

There are several indigenous and foreign manufacturers of electronic components in the Czech Republic. In 2024, components accounted to 12.7% of electronics output.

AVX Czech Republic, a subsidiary of the US company AVX, started production of tantalum capacitors in Lanškroun in 1993 and today has around 1.1 million sq ft of manufacturing space in the country at three sites. Fellow US group Vishay Intertechnology has also moved production of capacitors and resistors to the Czech Republic and operates multiple plants in the country.

US-based onsemi has a production facility in Rožnov and operates a design centre in Brno. In June 2024 the company announced plans to invest US\$2 billion to expand silicon carbide wafer production at its existing operations in the country.

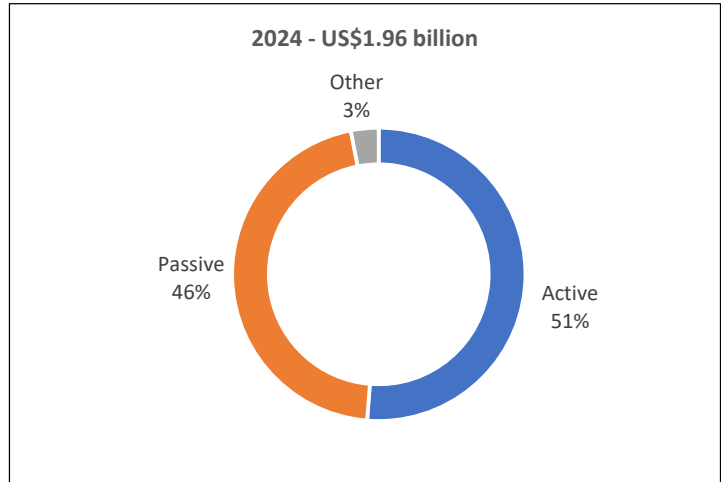
Outlook

The Czech electronics industry is heavily orientated towards the computer segment and with a small number of companies holding a significant share of electronics output individual company decisions could have a marked impact on the industry.

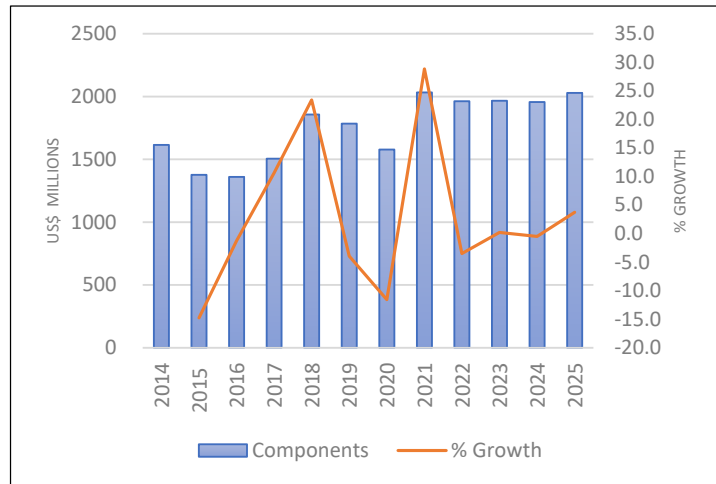
Spending on AI and data centres will boost computer output in 2025 and 2026 with the impact expected to slow in 2027 and 2028.

The country is expected to benefit from inward investment by companies in the industrial sector as they look to move production from higher cost locations in Western Europe.

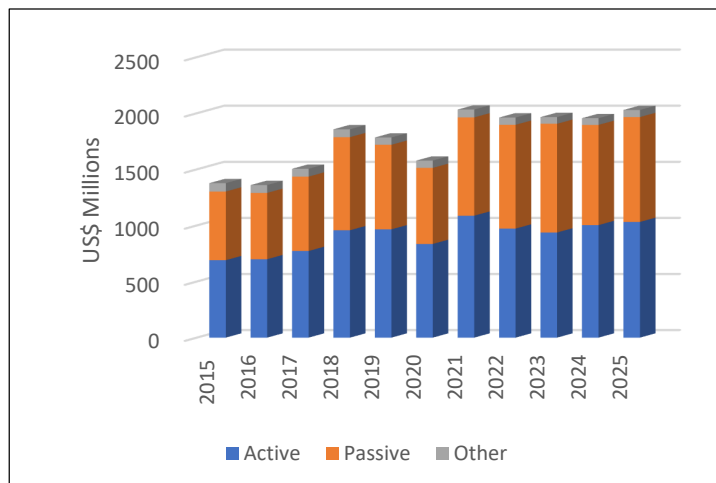
The impact of trade tariffs and the move to regionalise production could see some volume production being transferred to the country. In September 2025, the Taiwanese company Inventec as part of its “in Europe for Europe” strategy announced it had opened a new manufacturing plant in Blučina, near Brno. With an area of 52,000 sq m, the new complex will serve as the company’s European centre consolidating production, logistics and services for customers under one roof.



Czech Electronics Component Production 2024



Czech Electronics Component Production 2014-2025



Czech Electronics Component Production by Sector 2015-2025

4.7.3 POLAND PRODUCTION

COMPUTING		2022	2023	2024	2025
Computers & Peripherals	ZtM	10258	8400	9950	11993
	\$M	2300	2000	2500	3013
Accessories & Parts	ZtM	1026	882	876	998
	\$M	230	210	220	251
Computing Total	ZtM	11284	9282	10826	12991
	\$M	2530	2210	2720	3264

OFFICE EQUIPMENT		2022	2023	2024	2025
Office Equipment Total	ZtM	134	126	119	122
	\$M	30	30	30	31

CONTROL & INSTRUMENTATION		2022	2023	2024	2025
Control & Instrumentation Total	ZtM	4081	4452	4338	4447
	\$M	915	1060	1090	1117

MEDICAL & INDUSTRIAL		2022	2023	2024	2025
X-Ray & Medical Equipment Total	ZtM	6378	7476	6368	5604
	\$M	1430	1780	1600	1408
Industrial Equipment Total	ZtM	558	588	716	702
	\$M	125	140	180	176
Medical & Industrial Total	ZtM	6935	8064	7084	6306
	\$M	1555	1920	1780	1584

COMMUNICATIONS & RADAR		2022	2023	2024	2025
Radar & Navigational Aids	ZtM	2721	5460	7562	8135
	\$M	610	1300	1900	2044
Radio Communications & Public Broadcast	ZtM	3903	3948	3582	4123
	\$M	875	940	900	1036
Communications & Radar Total	ZtM	6623	9408	11144	12258
	\$M	1485	2240	2800	3080

TELECOMMUNICATIONS		2022	2023	2024	2025
Telecommunications Total	ZtM	6244	5460	4776	5158
	\$M	1400	1300	1200	1296

POLAND PRODUCTION (Cont)

CONSUMER		2022	2023	2024	2025
Video Equipment					
Colour Television	ZtM	21850	15964	16935	15580
	\$M	4899	3801	4255	3915
DVD Players & Recorders	ZtM	4	4	4	3
	\$M	1	1	1	1
Video Equipment Total	ZtM	21854	15968	16939	15584
	\$M	4900	3802	4256	3916
Audio Equipment Total	ZtM	401	420	458	435
	\$M	90	100	115	109
Personal Consumer Equip Total	ZtM	223	231	239	243
	\$M	50	55	60	61
Consumer Total	ZtM	22478	16619	17635	16262
	\$M	5040	3957	4431	4086

COMPONENTS		2022	2023	2024	2025
Active Components					
Valves & Tubes	ZtM	13	21	20	20
	\$M	3	5	5	5
Discrete Semiconductors	ZtM	803	798	756	720
	\$M	180	190	190	181
Integrated Circuits	ZtM	1137	1113	1095	1079
	\$M	255	265	275	271
Active Components Total	ZtM	1953	1932	1871	1819
	\$M	438	460	470	457
Passive Components					
Capacitors	ZtM	134	126	139	144
	\$M	30	30	35	36
Resistors	ZtM	62	59	56	55
	\$M	14	14	14	14
Connectors, Switches, Relays & Inductors	ZtM	535	483	478	484
	\$M	120	115	120	122
Printed Circuit Boards	ZtM	437	399	398	411
	\$M	98	95	100	103
Passive Components Total	ZtM	1169	1067	1071	1094
	\$M	262	254	269	275

POLAND PRODUCTION

COMPONENTS (Cont)		2022	2023	2024	2025
Other Components					
Other Components Total	ZtM	468	420	478	490
	\$M	105	100	120	123
Components Total	ZtM	3590	3419	3419	3403
	\$M	805	814	859	855
		2022	2023	2024	2025
TOTAL PRODUCTION	ZtM	61370	56830	59342	60946
	\$M	13760	13531	14910	15313

Notes: 2022 and 2023 are current figures at current exchange rates. 2024 is an estimate and 2025 a forecast at 2024 constant values and exchange rates (i.e. inflation is not included). Base year 2024
Estimates and forecast are made in US\$ with local values shown for guidance only.

4.5.4 HUNGARY MARKETS

COMPUTING		2022	2023	2024	2025	2026	2027	2028
Computers & Peripherals	FrM	183045	172264	182434	212779	232522	251898	267619
	\$M	491	488	499	582	636	689	732
Peripherals	FrM	131226	123903	124304	131250	135272	140025	144412
	\$M	352	351	340	359	370	383	395
Accessories & Parts	FrM	446987	421129	447129	447494	457000	465774	471624
	\$M	1199	1193	1223	1224	1250	1274	1290
Computing Total	FrM	761258	717296	753867	791524	824794	857698	883655
	\$M	2042	2032	2062	2165	2256	2346	2417
OFFICE EQUIPMENT		2022	2023	2024	2025	2026	2027	2028
Office Equipment Total	FrM	12675	12355	12430	12667	12857	12728	12473
	\$M	34	35	34	35	35	35	34
CONTROL & INSTRUMENTATION		2022	2023	2024	2025	2026	2027	2028
Control & Instrumentation Total	FrM	166642	171911	186456	192050	202228	213149	224872
	\$M	447	487	510	525	553	583	615
MEDICAL & INDUSTRIAL		2022	2023	2024	2025	2026	2027	2028
X-Ray & Medical Equipment Total	FrM	103266	100958	99443	101432	105286	109814	114755
	\$M	277	286	272	277	288	300	314
Industrial Equipment Total	FrM	58902	61069	64346	65633	67930	70783	73897
	\$M	158	173	176	180	186	194	202
Medical & Industrial Total	FrM	162168	162027	163789	167065	173216	180596	188653
	\$M	435	459	448	457	474	494	516
COMMUNICATIONS & RADAR		2022	2023	2024	2025	2026	2027	2028
Communications & Radar Total	FrM	260960	267221	280415	284621	294299	307248	321381
	\$M	700	757	767	779	805	840	879
TELECOMMUNICATIONS		2022	2023	2024	2025	2026	2027	2028
Telecommunications Total	FrM	108858	112607	109680	112422	116469	121710	127309
	\$M	292	319	300	308	319	333	348
CONSUMER		2022	2023	2024	2025	2026	2027	2028
Video Equipment								
Colour Television	FrM	89472	83308	86282	88110	90669	92131	93228
	\$M	240	236	236	241	248	252	255
DVD Players & Recorders	FrM	2610	2118	1828	1828	1462	1462	1462
	\$M	7	6	5	5	4	4	4

HUNGARY MARKETS (cont)

CONSUMER		2022	2023	2024	2025	2026	2027	2028
Video Equipment (Cont)								
Digital Cameras	FrM	15658	14120	13527	13162	12430	12065	11699
	\$M	42	40	37	36	34	33	32
Video Equipment Total	FrM	107739	99546	101637	103099	104562	105658	106390
	\$M	289	282	278	282	286	289	291
Audio Equipment Total	FrM	23114	21180	20474	19655	19065	18512	17957
	\$M	62	60	56	54	52	51	49
Personal Consumer Equip Total	FrM	10438	9531	10237	10442	10692	10959	11244
	\$M	28	27	28	29	29	30	31
Consumer Total	FrM	141291	130257	132347	133195	134319	135130	135591
	\$M	379	369	362	364	367	370	371

COMPONENTS		2022	2023	2024	2025	2026	2027	2028
Active Components								
Valves & Tubes	FrM	1118	706	1097	1097	1097	1097	1097
	\$M	3	2	3	3	3	3	3
Discrete Semiconductors	FrM	521920	437014	341105	334158	349148	367794	388267
	\$M	1400	1238	933	914	955	1006	1062
Integrated Circuits	FrM	946166	894855	1045250	1086929	1141403	1203190	1270460
	\$M	2538	2535	2859	2973	3122	3291	3475
Active Components Total	FrM	1469205	1332575	1387452	1422184	1491648	1572080	1659824
	\$M	3941	3775	3795	3890	4080	4300	4540
Passive Components								
Capacitors	FrM	67850	68835	71658	74498	77974	82317	86900
	\$M	182	195	196	204	213	225	238
Resistors	FrM	27214	27887	28517	29359	30431	31814	33259
	\$M	73	79	78	80	83	87	91
Connectors, Switches, Relays & Inductors	FrM	79406	80484	81529	84760	88715	93657	98871
	\$M	213	228	223	232	243	256	270
Printed Circuit Boards	FrM	256486	261573	265791	273644	283632	296522	309991
	\$M	688	741	727	748	776	811	848
Passive Components Total	FrM	430957	438779	447494	462262	480752	504309	529020
	\$M	1156	1243	1224	1264	1315	1379	1447
Other Components Total	FrM	294139	265456	277490	285538	294104	301456	308390
	\$M	789	752	759	781	804	825	844
Components Total	FrM	2194301	2036810	2112437	2169983	2266504	2377845	2497234
	\$M	5886	5770	5778	5935	6199	6504	6831

HUNGARY MARKETS (Cont)

		2022	2023	2024	2025	2026	2027	2028
TOTAL MARKET	FrM	3808152	3610484	3751422	3863527	4024685	4206104	4391168
	\$M	10215	10228	10261	10568	11008	11505	12011

Notes: 2022 and 2023 are current figures at current exchange rates

2024 is an estimate and 2025 to 2028 are forecasts at 2024 constant values & exchange rates (i.e. Inflation is not included)

Base year 2024

Estimates and forecast are made in US\$ with local values shown for guidance only.

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