

# Meeting of the General Managers of the Manufacturing Technology Trade Associations



Chicago, Illinois  
September 10, 2008





# GENERAL MANAGERS' MEETING

September 10, 2008

## Agenda

- 9:00 a.m. - 9:30 a.m.      *Coffee & Pastries*
- 9:30 a.m. - 9:45 a.m.      *Opening Remarks and Overview of Global Forecast*  
John B. Byrd III  
President  
AMT - The Association For Manufacturing Technology
- 9:45 a.m. - 11:20 a.m.      *Global Forecasting Model*  
John Walker  
President  
Oxford Economics
- 11:20 a.m. - 11:30 a.m.      *Closing Remarks*  
Bob Simpson  
President-Elect  
AMT - The Association For Manufacturing Technology
- 11:30 a.m. - 12:00 p.m.      *Cocktails*
- 12:00 p.m. - 1:00 p.m.      *Lunch*



## **GENERAL MANAGERS' MEETING**

**September 10, 2008**

**Attendees**

### **Argentina**

CARMAHE - Argentine Chamber of Machine Tools

Mr. Tomás Forsthuber, President

Mr. Eduardo Bush, Board Director

### **Australia**

AMTIL - Australian Manufacturing Technology Institute Ltd.

Mr. Shane Infanti, Chief Executive Officer

### **Austria**

FMMI – Association of the Austrian Machinery & Metalware Industries

Mr. Martin Baminger

### **Brazil**

ABIMAQ –Brazilian Machinery Builders' Association

Mr. Roberto Michael Schaefer, President of CSMF

Mr. Elton Beletatti Martins, Executive Manager of CSMF

### **China**

CMTBA - China Machine Tool & Tool Builders' Association

Mr. Wang Liming, Vice President

### **Czech Republic**

SST - Association of Manufacturers & Suppliers of Engineering Technology

Mr. Ivan Čapek, General Manager

### **Europe**

CECIMO - European Committee for Co-Operation of the Machine Tool Industries

Mr. Filip Geerts, Secretary General

Ms. Christelle Roche, Head of Market Intelligence Department

### **France**

SYMOP - French Association For Manufacturing Technologies

Mr. Vincent Schramm, General Manager

### **Germany**

VDW - German Machine Tool Builders' Association

Mr. Gerhard Hein, Marketing Director

Dr. Timo Würz, Deputy Executive Director

### **India**

IMTMA - Indian Machine Tool Manufacturers' Association

Mr. V. Anbu, Executive Director

**Italy**

UCIMU - Italian Machine Tool, Robot and Automation Manufacturers' Association  
Mr. Alberto Nicolai, Marketing Manager

**Japan**

JMTBA - Japan Machine Tool Builders' Association  
Mr. Toshiomi Shono, President  
Mr. Osamu Ichimura, Deputy Director - International Marketing Dept.  
Ms. Kazuko Oguchi Sherman, Interpreter

**Korea**

KOMMA - Korea Machine Tool Manufacturers' Association  
Mr. Jong-Hyun Jung, President  
Ms. Bonnie Kang, Staff

**Romania**

CROMUS - Romanian Center for Machine Tools and Tools  
Mr. Constantin Rusu, Vice President – Executive Director  
Mr. Ioan Horge, Board Member  
Mr. Mihai Lungescu

**Russia**

STANKOINSTRUMENT - Russian Association of Machine and Tool Manufacturers  
Dr. Georgy Samodurov, President  
Mr. Andrey Mandrabura, Director of Exhibition Activity

**Spain**

AFM - Machine Tool Manufacturers' Association of Spain  
Mr. Xabier Ortueta, General Manager  
Mr. Josu Riezu, International Area Manager

**Switzerland**

SWISSMEN - Swiss Mechanical and Electrical Engineering Industries  
Mr. Christoph Blattler, Secretary General

**Taiwan**

TAMI - Taiwan Association of Machinery Industry  
Mr. C.C. Wang, Vice President  
Mr. Gary Yang, Director of Exhibition Division

**Turkey**

MIB – Association of Turkish Machine Manufacturers  
Mr. Yavez Yücel, Secretary General

**United Kingdom**

MTA - The Manufacturing Technologies Association  
Mr. Graham Dewhurst, Director General  
Mr. Geoff Noon, Statistician

Oxford Economics  
Mr. John Walker, President

**United States**

AMT - The Association For Manufacturing Technology

Mr. John B. Byrd III, President

Mr. Peter R. Eelman, Vice President - Exhibitions

Ms. Julie Germain, Project Manager - Strategic Information & Research

Mr. L. Knox Johnstone, Business Development Director

Mr. Malcolm S. Mason, Business Development Director

Mr. Patrick W. McGibbon, Vice President - Strategic Information & Research

Mr. Robert K. Simpson, President-Elect

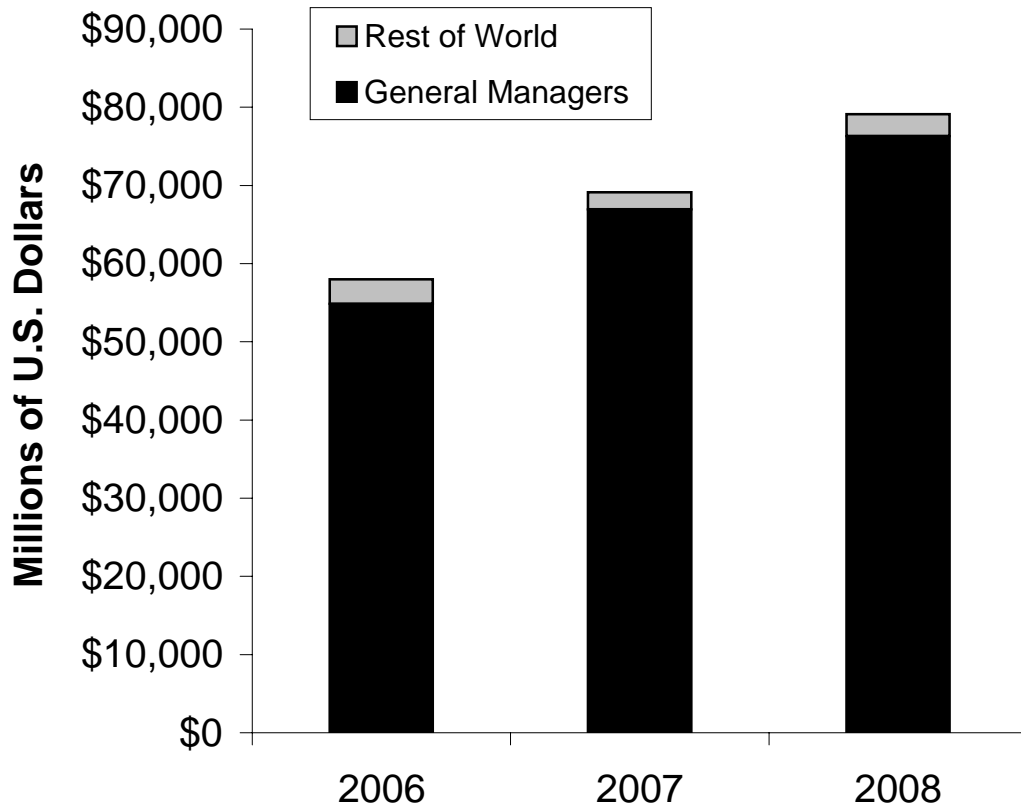
Mr. Jeff Traver, Vice President - Business Development

Mr. Mario C. Winterstein, Business Development Director





# General Managers' Share of World Production



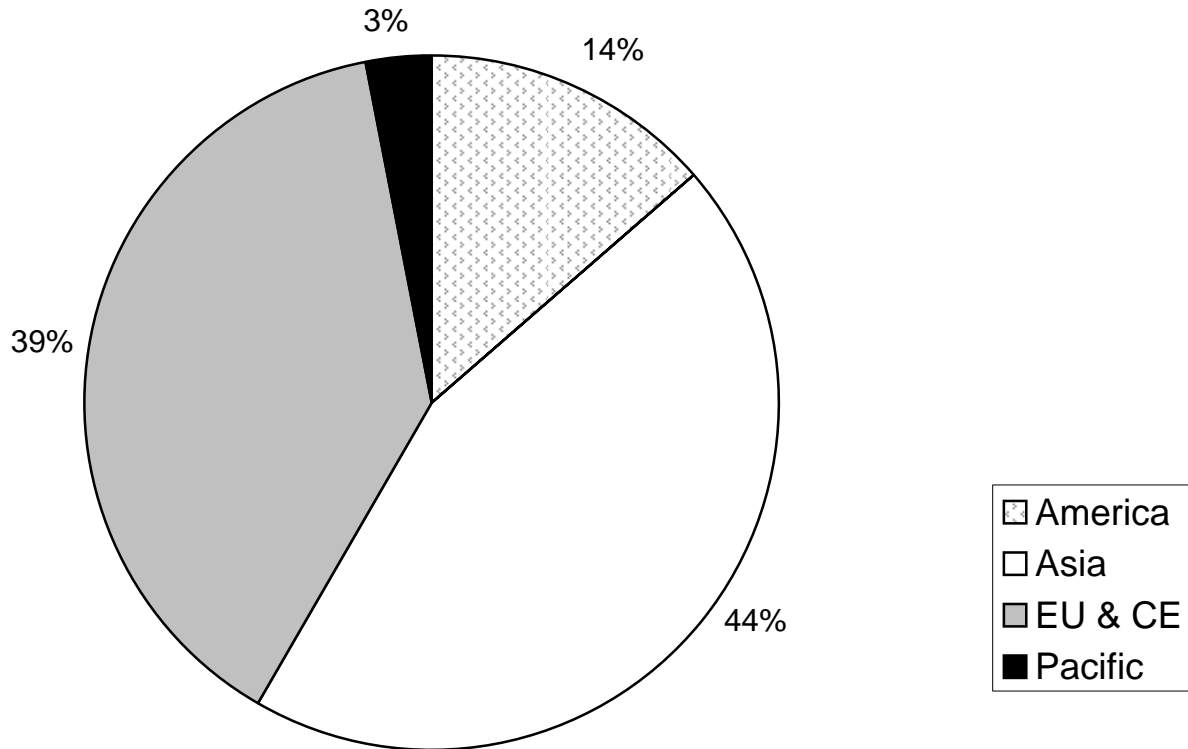
## Production, 2006 - 2008

(in Millions of U.S. Dollars)

	2006	2007	2008
<b>General Managers</b>	54,845.9	66,905.3	76,293.0
<b>Rest of World</b>	3,139.9	2,235.3	2,826.9
<b>Total</b>	57,985.8	69,140.6	79,120.0
<b>Growth rate</b>	7.6%	19.2%	14.4%

The aggregate data includes Croatia and Sweden who are not represented at the meeting.

# General Managers' Machine Tool Consumption By Region in 2008



General Managers'  
Regional Totals  
US \$ Millions

Region	2008
America	9,367
Asia	30,531
EU & CE	26,506
Pacific	2,086

General Managers'  
Consumption Growth

2006	2007	2008
14.6%	22.1%	12.1%

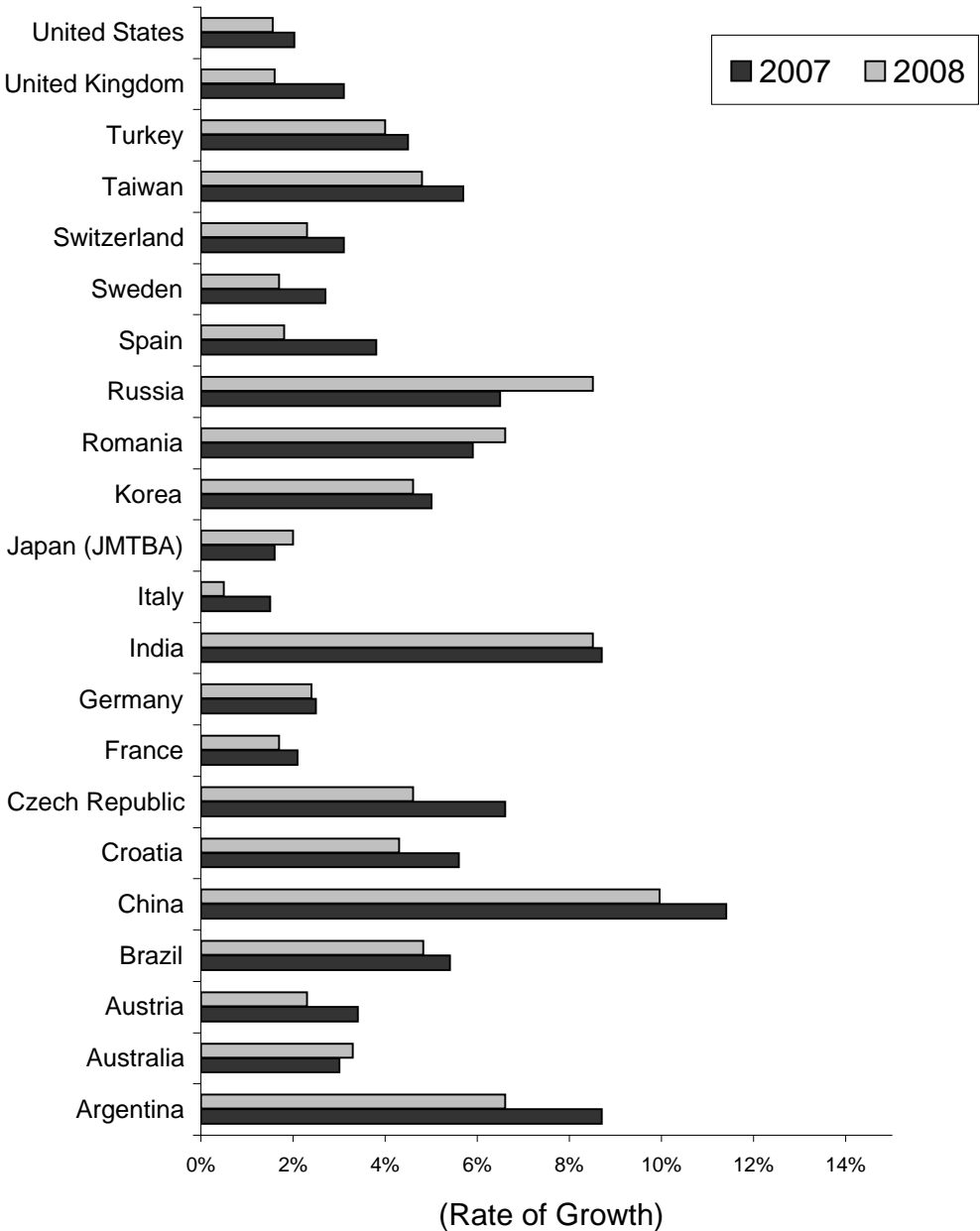
America - Argentina, Brazil & United States

Asia - China, Japan (cutting), South Korea & Taiwan

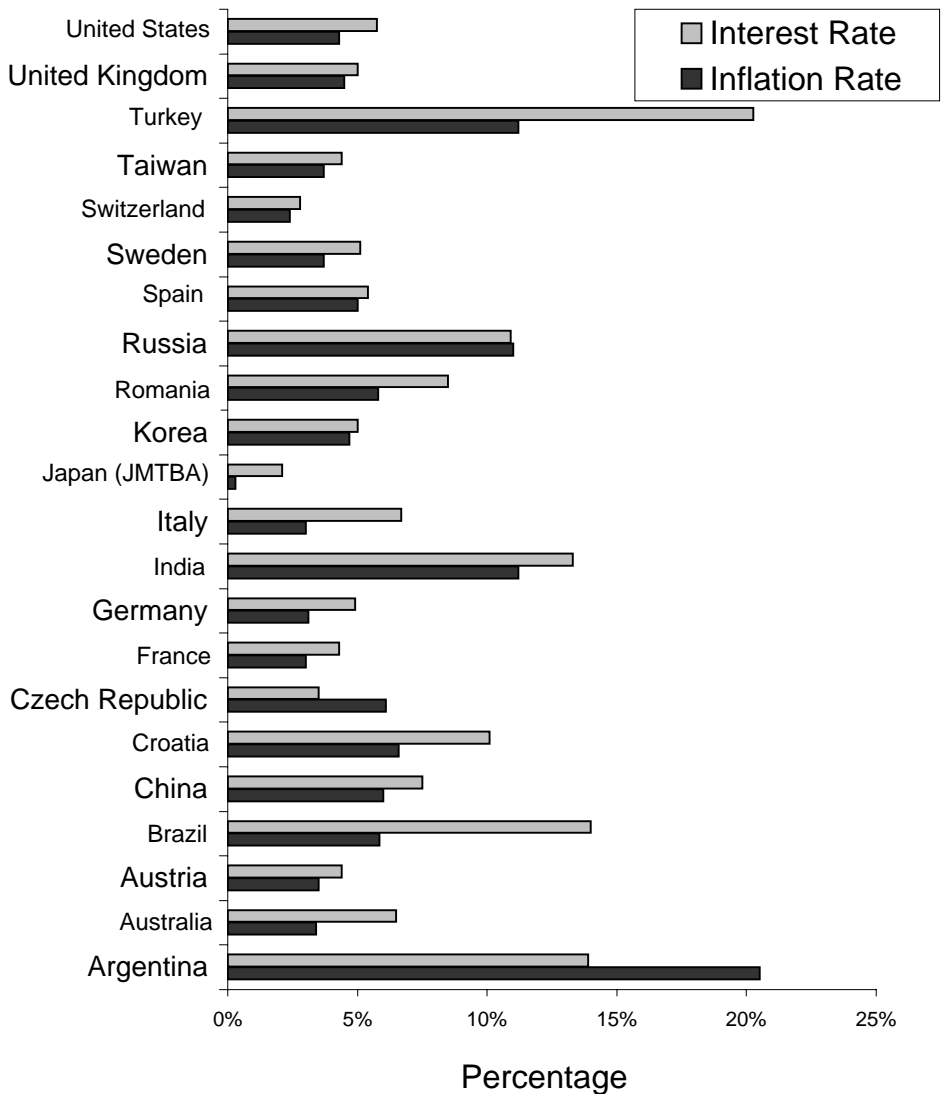
EU & CE - Austria, Croatia, Czech Republic, France, Germany, Italy, Romania, Russia,  
Spain, Sweden, Switzerland, Turkey & UK

Pacific - Australia & India

# General Managers' Economic Growth - GDP 2007 and 2008



# General Managers' Interest Rates\* and Inflation 2008



\* Some countries estimated based on data supplied by Oxford Economics.

## Comparison of Data from Participants of the General Managers' Meeting

Countries	Macro-Economic Indicators																			
	GDP (rate, real terms)		Industrial Output (index 1995=100)		GCI (rate, real terms)		GCI/GDP (%)		Inflation Rate (%)		Exports (rate, real terms)		Imports (rate, real terms)		Balance of Trade (rate, real terms)		Interest Rate (primary bank rate)		Unemployment (rate)	
	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008
Argentina	8.7%	6.6%	145.7	154.0	18.2%	13.6%	22.6%	24.2%	16.5%	20.5%	20.6%	24.8%	31.0%	37.3%	-8.1%	-16.7%	13.5%	13.9%	7.5%	7.0%
Australia	3.0%	3.3%	156.1	161.4	8.7%	4.6%	14.0%	12.0%	2.9%	3.4%	0.5%	0.8%	0.8%	1.9%	-5.8%	-5.6%	6.3%	6.5%	4.9%	4.5%
Austria	3.4%	2.3%	175.1	170.5	5.2%	2.4%	20.7%	20.6%	2.2%	3.5%	8.6%	5.0%	8.5%	4.3%	3.2%	2.8%	4.3%	4.4%	4.4%	4.2%
Brazil	5.4%	4.8%	135.9	143.5	13.4%	5.0%	17.6%	19.0%	4.5%	5.9%	16.9%	14.9%	32.0%	34.0%	-11.3%	-42.6%	11.3%	14.0%	9.3	8.4%
China*	11.4%	10.0%	434.0	483.3	24.8%	25.4%	55.6%	n/a	4.8%	6.0%	25.7%	21.6%	20.8%	27.7%	47.7%	-0.9%	7.5%	7.5%	4.0%	4.0%
Croatia	5.6%	4.3%	160.0	169.0	10.2%	n/a	45.5%	n/a	2.9%	6.6%	1.2%	1.1%	1.2%	1.1%	-1.2%	-1.2%	9.3%	10.1%	14.8%	14.2%
Czech Republic	6.6%	4.8%	156.5	162.5	5.8%	5.8%	24.1%	24.4%	5.4%	6.1%	14.6%	11.6%	13.8%	10.7%	87.1%	80.0%	3.5%	3.5%	4.8%	5.3%
France	2.1%	1.7%	104.5	105.0	4.9%	2.3%	20.0%	20.2%	1.5%	3.0%	3.1%	5.0%	5.5%	4.9%	91.3%	90.5%	4.1%	4.3%	7.5%	7.9%
Germany	2.5%	2.4%	130.2	129.6	5.0%	4.1%	18.5%	19.0%	2.3%	3.1%	7.8%	7.0%	4.8%	5.9%	n/a	n/a	4.3%	4.9%	8.3%	7.2%
India	8.7%	8.5%	220.7	235.3	31.4%	n/a	30.1%	32.3%	4.1%	11.2%	22.6%	22.3%	24.5%	29.7%	n/a	n/a	13.5%	13.3%	8.0%	8.0%
Italy	1.5%	0.5%	107.4	102.3	1.2%	0.1%	21.2%	21.1%	1.8%	3.0%	5.0%	2.8%	4.4%	2.0%	-2.0%	-2.2%	6.3%	6.7%	6.1%	5.9%
Japan (JMTBA)	1.6%	2.0%	111.0	106.8	-0.1%	3.9%	15.7%	16.2%	0.4%	0.3%	9.5%	6.4%	2.1%	5.9%	1.2%	0.4%	1.9%	2.1%	3.8%	3.8%
Korea	5.0%	4.6%	222.7	227.6	7.6%	1.3%	29.4%	n/a	2.5%	4.7%	14.1%	18.5%	15.3%	24.4%	-1.2%	n/a	5.0%	5.0%	3.2%	3.2%
Romania	5.9%	6.6%	118.7	134.1	26.7%	21.5%	28.9%	33.0%	8.7%	5.8%	13.7%	19.9%	25.1%	9.1%	-44.9%	5.6%	7.5%	8.5%	4.3%	5.0%
Russia	6.5%	8.5%	184.4	191.1	6.7%	20.0%	17.2%	19.0%	11.0%	11.0%	10.5%	50.0%	20.0%	30.0%	13.3%	43.9%	10.1%	10.9%	6.2%	6.2%
Spain	3.8%	1.8%	131.1	118.8	5.9%	3.5%	1.5%	1.9%	4.2%	5.0%	5.3%	5.0%	6.6%	5.0%	-32.7%	-30.0%	5.2%	5.4%	8.3%	11.0%
Sweden	2.7%	1.7%	143.3	137.3	8.0%	4.5%	19.7%	20.0%	2.2%	3.7%	6.0%	4.9%	9.6%	4.0%	n/a	n/a	4.4%	5.1%	6.0%	5.5%
Switzerland	3.1%	2.3%	149.0	145.0	7.2%	3.2%	n/a	n/a	0.7%	2.4%	10.0%	2.8%	5.3%	3.0%	15.7%	-22.6%	2.8%	2.8%	2.8%	2.4%
Taiwan	5.7%	4.8%	190.0	205.0	n/a	n/a	20.6%	21.0%	1.8%	3.7%	n/a	15.1%	n/a	19.9%	n/a	-23.4%	4.3%	4.4%	3.9%	3.8%
Turkey	4.5%	4.0%	160.6	152.0	3.3%	8.4%	25.5%	25.3%	8.4%	11.2%	n/a	23.1%	n/a	23.5%	n/a	24.2%	20.0%	20.3%	10.4%	10.7%
United Kingdom	3.1%	1.6%	101.3	99.2	6.0%	0.3%	18.4%	18.1%	2.1%	4.5%	-5.1%	1.5%	-2.4%	0.8%	-17.8%	21.3%	5.5%	5.0%	2.6%	2.8%
United States	2.0%	1.6%	138.5	139.6	1.2%	0.9%	19.0%	18.9%	2.9%	4.3%	8.5%	8.0%	2.2%	-0.5%	-11.2%	-22.4%	8.1%	5.7%	4.6%	5.5%

Source: International Trade Associations, Oxford Economics, International Monetary Fund, AMT Economic Handbook of the Manufacturing Technology Industry

Note: 2008 data is based on estimates.

\*China figures for 2008 GDP, GCI are mid-point of provided range for estimate

Estimates from Oxford Economics and International Monetary Fund data where no data provided or data provided other than index 1995=100.

n/a: not available

### Comparison of Data from Participants of the General Managers' Meeting

Countries	Currency	MACHINE TOOL SECTOR - rates of change based in National Currencies										MACHINE TOOL SECTOR - rates of change based in US dollars										
		Production (nominal rate)		Exports (nominal rate)		Imports (nominal rate)		Consumption (nominal rate)		Employment (growth rate)		Companies (growth rate)		Production (nominal rate)		Exports (nominal rate)		Imports (nominal rate)		Consumption (nominal rate)		
		2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007	2008	2007
Argentina	Peso	18.9%	18.6%	12.5%	10.1%	17.2%	6.6%	17.9%	8.8%	10.0%	0.0%	0.0%	0.0%	0.0%	16.6%	17.8%	10.3%	9.4%	15.0%	6.0%	15.7%	8.1%
Australia	Aust \$	19.2%	33.9%	15.5%	33.9%	21.2%	27.5%	22.6%	28.0%	0.0%	0.0%	0.0%	0.0%	16.1%	11.1%	12.5%	11.1%	18.1%	5.8%	19.5%	6.2%	
Austria	Euro	32.2%	12.0%	32.3%	15.1%	11.1%	10.0%	15.3%	7.1%	7.3%	5.0%	0.0%	-3.8%	43.0%	25.7%	43.1%	29.3%	20.2%	23.5%	24.7%	20.3%	
Brazil	Real	0.6%	14.1%	-18.9%	-0.5%	9.3%	49.0%	6.5%	30.9%	15.1%	10.2%	-0.4%	-0.4%	21.0%	20.2%	-2.5%	4.8%	31.4%	57.0%	28.0%	37.9%	
China*	Yuan	48.3%	8.2%	35.0%	24.8%	-4.9%	3.4%	20.1%	4.5%	15.1%	-0.6%	33.9%	5.8%	52.3%	17.2%	38.7%	35.2%	-2.3%	23.3%	13.2%		
Croatia	Kuna	-2.8%	-9.7%	8.5%	-9.5%	13.9%	-8.9%	7.4%	-9.1%	1.1%	0.5%	1.8%	0.0%	5.7%	2.7%	18.0%	3.0%	23.9%	3.6%	16.8%	3.5%	
Czech Republic	CZK	29.9%	8.4%	23.3%	6.6%	17.1%	6.6%	23.7%	8.6%	0.4%	0.1%	0.0%	0.0%	44.7%	37.3%	37.3%	35.0%	30.4%	35.0%	37.8%	37.5%	
France	Euro	4.4%	3.9%	15.4%	1.4%	7.5%	6.0%	1.9%	6.8%	0.1%	-0.9%	0.0%	0.0%	12.6%	16.9%	24.6%	14.1%	16.0%	19.2%	9.9%	20.1%	
Germany	Euro	16.9%	10.1%	11.5%	11.4%	33.1%	13.7%	32.8%	10.3%	2.0%	4.7%	0.0%	0.0%	27.1%	23.8%	21.3%	25.2%	44.7%	27.8%	44.4%	24.0%	
India	Rupee	4.3%	14.1%	97.7%	69.5%	46.7%	-1.2%	32.8%	1.1%	n/a	n/a	n/a	n/a	11.8%	9.5%	111.8%	62.6%	57.1%	-5.2%	42.3%	-3.0%	
Italy	Euro	17.0%	5.1%	12.1%	6.1%	25.8%	10.5%	24.6%	6.3%	0.6%	2.2%	0.0%	0.0%	27.3%	17.3%	21.9%	18.5%	36.8%	23.4%	35.4%	18.7%	
Japan (JMTBA)	Yen	7.7%	0.1%	-3.2%	0.0%	-46.5%	0.5%	13.9%	0.3%	4.8%	n/a	n/a	n/a	8.9%	4.0%	-2.1%	4.0%	-45.9%	4.5%	15.2%	4.3%	
Korea	Won	7.5%	14.2%	23.8%	28.4%	1.1%	25.6%	-0.4%	11.6%	5.0%	5.0%	5.0%	5.0%	10.7%	7.7%	27.4%	21.1%	4.1%	18.4%	2.5%	5.3%	
Romania	LEI	-26.4%	8.3%	4.5%	-6.2%	66.2%	-4.1%	59.6%	-1.9%	n/a	n/a	n/a	n/a	-23.1%	2.5%	9.2%	-11.3%	73.7%	-9.3%	66.8%	-7.2%	
Russia	Ruble	19.9%	-5.6%	20.8%	-4.4%	63.6%	-6.0%	51.5%	-6.1%	2.2%	3.3%	n/a	n/a	20.3%	8.4%	21.3%	9.8%	64.2%	8.0%	52.0%	7.9%	
Spain	Euro	7.0%	5.0%	11.4%	7.0%	10.4%	2.0%	6.0%	2.0%	-1.8%	0.1%	-1.8%	0.0%	16.7%	5.0%	21.5%	7.0%	20.4%	2.0%	15.6%	2.0%	
Sweden	SEK	13.7%	4.5%	-11.8%	18.3%	33.3%	1.0%	47.3%	-3.4%	0.0%	0.0%	20.0%	-6.7%	24.9%	17.0%	-3.1%	32.4%	46.4%	13.2%	61.8%	8.2%	
Switzerland	Swiss Franc	14.3%	5.0%	12.2%	7.0%	27.6%	7.9%	28.1%	2.0%	4.7%	2.5%	-1.1%	2.2%	23.4%	13.0%	21.1%	15.2%	37.8%	16.2%	38.3%	9.7%	
Taiwan	NT\$	18.0%	10.5%	18.1%	11.7%	27.6%	-10.3%	24.5%	-5.5%	12.2%	4.3%	16.3%	0.0%	16.9%	16.9%	17.1%	18.1%	26.5%	-5.2%	23.4%	-0.1%	
Turkey	YTL	4.0%	16.4%	14.8%	27.9%	-6.8%	12.9%	-8.7%	9.1%	0.0%	0.0%	0.0%	0.0%	25.0%	13.6%	38.0%	24.7%	12.0%	10.1%	9.7%	6.4%	
United Kingdom	Pounds Sterling	-12.3%	8.4%	-1.3%	1.1%	15.5%	0.6%	7.2%	5.9%	1.3%	-2.6%	0.0%	0.0%	-4.7%	7.3%	7.3%	0.1%	25.6%	-0.4%	16.6%	4.8%	
United States	US \$	1.0%	-3.5%	-8.1%	7.1%	-4.5%	12.3%	-0.3%	5.2%	0.2%	2.6%	0.0%	0.0%	1.0%	-3.5%	-8.1%	7.1%	-4.5%	12.3%	-0.3%	5.2%	

Source: International Trade Associations, International Monetary Fund, AMT Economic Handbook of the Manufacturing Technology Industry

Note: 2008 data is based on estimates

\*China figures for 2008 production and consumption rate of change are mid-point of provided range for estimate

n/a: not available

## Comparison of Data from Participants of the General Managers' Meeting

Countries	Currency & Exchange Rates						Machine Tool Sector											
	Rate Against US\$			Rate against Euro			Production		Exports		Imports		Consumption					
	2006	2007	2008	2006	2007	2008	2006	2007	2006	2007	2006	2007	2006	2007	2008			
Argentina *	3.08	3.14	3.16	3.86	4.27	4.87	89.0	105.8	125.5	35.7	40.2	44.2	395.2	463.2	493.9	448.4	528.8	575.1
Australia *	0.76	0.78	0.94	0.60	0.62	0.62	117.8	140.4	188.0	103.4	119.3	159.8	243.2	294.8	376.0	257.6	315.9	404.2
Austria #	0.79	0.73	0.65	1.00	1.00	1.00	519.0	686.0	768.0	431.0	570.0	656.0	351.0	390.0	429.0	439.0	506.0	542.0
Brazil *	2.14	1.78	1.69	2.74	2.67	2.57	2,047.8	2,060.9	2,351.8	327.6	265.6	264.1	1,325.5	1,448.2	2,158.5	3,045.6	3,243.5	4,246.0
China*	7.81	7.60	7.02	10.27	10.67	10.50	55,138.6	81,743.0	88,452.0	9,293.9	12,546.6	15,654.6	56,544.4	53,760.3	55,598.4	102,389.1	122,956.7	128,466.0
Croatia*	5.84	5.37	4.72	7.32	7.34	7.31	575.8	559.6	505.0	557.1	604.7	547.5	991.6	1,129.8	1,029.0	1,010.3	1,084.7	986.5
Czech Republic*	22.62	20.31	16.04	28.35	27.76	24.67	10,591.6	13,763.4	14,922.9	11,067.8	13,644.0	14,550.4	10,682.3	12,505.9	13,336.6	10,206.0	12,625.2	13,709.1
France #	0.79	0.74	0.65	1.00	1.00	1.00	803.0	838.0	871.0	500.0	577.0	585.0	827.0	889.0	942.0	1,129.0	1,150.0	1,228.0
Germany #	0.79	0.73	0.65	1.00	1.00	1.00	8,078.0	9,444.0	10,400.0	5,997.0	6,688.0	7,450.0	2,023.0	2,692.0	3,060.0	4,104.0	5,449.0	6,010.0
India #	45.00	42.00	43.79	57.00	57.00	64.56	16,796.0	17,525.0	20,000.0	746.0	1,475.0	2,500.0	37,935.0	55,640.0	55,000.0	53,985.0	71,690.0	72,500.0
Italy #	0.79	0.73	0.65	1.00	1.00	1.00	4,554.0	5,330.0	5,600.0	2,648.0	2,969.0	3,150.0	1,115.0	1,403.0	1,550.0	3,022.0	3,764.0	4,000.0
Japan (JMTBA) #	116.90	115.60	111.20	150.01	161.53	161.99	1,211,230	1,304,049	1,305,000	921,456	892,032	892,000	135,649	72,601	73,000	425,423	484,618	486,000
Korea*	956.00	929.00	985.00	1,199.0	1,273.0	1,504.0	3,931,072	4,226,950	4,826,500	1,362,300	1,687,064	2,167,000	1,240,888	1,255,079	1,576,000	3,809,660	3,794,965	4,235,500
Romania*	25.600	24.500	25.900	33.800	36.100	37.400	1,755,910	1,292,019	1,399,882	2,003,664	2,093,439	1,963,500	6,116,786	10,169,009	9,753,920	5,869,370	9,367,589	9,190,302
Russian Fed*	27.10	27.00	23.50	34.50	34.00	36.40	9,349.5	11,207.7	10,575.0	3,181.5	3,844.8	3,675.4	16,243.7	26,581.5	24,985.2	22,411.7	33,944.4	31,884.8
Spain*	0.80	0.73	0.73	1.00	1.00	1.00	978.9	1,047.5	1,099.9	557.9	621.5	665.0	460.8	508.9	519.1	881.8	934.8	954.0
Sweden*	7.38	6.72	6.00	9.04	9.45	9.40	1,674.2	1,904.2	1,989.0	1,531.4	1,351.4	1,598.0	2,442.6	3,256.5	3,290.0	2,585.4	3,809.3	3,681.0
Switzerland#	1.22	1.13	1.05	1.61	1.65	1.58	3,716.0	4,247.0	4,460.0	3,248.0	3,644.0	3,900.0	721.0	920.0	993.0	1,189.0	1,523.0	1,553.0
Taiwan*	32.50	32.78	31.00	40.90	45.06	47.44	124,832.5	147,247.8	162,750.0	96,330.0	113,779.4	127,100.0	65,325.0	83,326.8	74,710.0	93,827.5	116,795.1	110,360.0
Turkey*	1.43	1.19	1.22	1.89	1.74	1.93	609.5	633.9	738.1	440.4	505.6	646.6	1,356.5	1,264.3	1,427.4	1,525.5	1,392.7	1,518.9
UK #	0.54	0.50	0.51	0.68	0.68	0.79	420.9	369.0	400.0	477.8	471.7	477.0	500.9	578.6	582.0	443.9	476.0	504.0
United States*	1.00	1.00	1.00	1.27	1.37	1.54	3,683.9	3,727.0	3,597.0	1,802.3	1,657.0	1,774.0	4,474.6	4,274.0	4,799.0	6,361.2	6,343.0	6,673.0

Source: International Trade Associations, International Monetary Fund, AMT Economic Handbook of the Manufacturing Technology Industry

Estimates from International Monetary Fund where no data provided

Note: 2008 data is based on estimates

n/a: not available

\* - Country submitted machine tool sector market data in US dollars and the data here represents conversion into national currency from exchange rate submitted by the country's association.

# - Country submitted machine tool sector market data in national currency and the data here represents conversion into U.S. dollars from exchange rate submitted by the country's association.

+ - Country submitted machine tool sector market data in Euros and the data here represents conversion into national currency and U.S. dollars from exchange rate submitted by the country's association.

## Comparison of Data from Participants of the General Managers' Meeting

Countries	Machine Tool Sector																	
	Production \$US			Exports \$US			Imports \$US			Consumption \$US			Employment Actual number			Number of Companies Actual number		
	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008	2006	2007	2008
Argentina	28.9	33.7	39.7	11.6	12.8	14.0	128.3	147.5	156.3	145.6	168.4	182.0	1,000	1,100	1,100	70	70	70
Australia	155.0	180.0	200.0	136.0	153.0	170.0	320.0	378.0	400.0	339.0	405.0	430.0	1,400	1,400	1,400	80	80	80
Austria	657.0	939.7	1,181.5	545.6	780.8	1,009.2	444.3	534.2	660.0	555.7	693.2	833.8	2,921	3,134	3,291	26	25	25
Brazil*	956.9	1,157.8	1,391.6	153.1	149.2	156.3	619.4	813.6	1,277.2	1,423.2	1,822.2	2,512.4	7,145	8,224	9,059	277	276	275
China <sup>†</sup>	7,060.0	10,750.0	12,600.0	1,190.0	1,650.0	2,230.0	7,240.0	7,070.0	7,920.0	13,110.0	16,170.0	18,300.0	235,164	270,674	269,000	769	1,030	1,090
Croatia	98.6	104.2	107.0	95.4	112.6	116.0	169.8	210.4	218.0	173.0	202.0	209.0	2,312	2,338	2,350	56	57	57
Czech Republic	468.2	677.7	930.4	489.3	671.8	907.1	472.2	615.7	831.5	451.2	621.6	854.7	7,200	7,230	7,240	77	77	77
France	1,011.8	1,139.7	1,332.6	630.0	784.7	895.1	1,042.0	1,209.0	1,441.3	1,422.5	1,564.0	1,878.8	9,169	9,180	9,100	442	442	442
Germany	10,178.3	12,938.3	16,016.0	7,556.2	9,162.6	11,473.0	2,549.0	3,688.0	4,712.4	5,171.0	7,465.1	9,255.4	65,044	66,369	69,500	350	350	350
India	373.2	417.3	456.7	16.6	35.1	57.1	843.0	1,324.8	1,256.0	1,199.7	1,706.9	1,655.6	n/a	n/a	n/a	n/a	n/a	n/a
Italy	5,738.0	7,302.1	8,568.0	3,336.5	4,067.5	4,819.5	1,404.9	1,922.1	2,371.5	3,807.7	5,156.7	6,120.0	28,390	28,560	29,200	375	375	375
Japan (JMTBA)	10,361.2	11,280.7	11,735.6	7,882.4	7,716.5	8,021.6	1,160.4	628.0	656.5	3,639.2	4,192.2	4,370.5	23,503	24,621	n/a	n/a	n/a	n/a
Korea	4,112.0	4,550.0	4,900.0	1,425.0	1,816.0	2,200.0	1,298.0	1,351.0	1,600.0	3,985.0	4,085.0	4,300.0	15,379	16,148	16,955	833	875	919
Romania	68.6	52.7	54.0	78.3	85.4	75.8	238.9	415.1	376.6	229.3	382.4	354.8	7,600	n/a	n/a	21	n/a	n/a
Russian Fed	345.0	415.1	450.0	117.4	142.4	156.4	599.4	984.5	1,063.2	827.0	1,257.2	1,356.8	90,000	92,000	95,000	n/a	n/a	n/a
Spain	1,229.8	1,434.9	1,506.7	700.9	851.4	911.0	578.9	697.1	711.1	1,107.8	1,280.6	1,306.8	5,647	5,546	5,550	113	111	111
Sweden	226.9	283.4	331.5	207.5	201.1	266.3	331.0	484.6	548.3	350.3	566.9	613.5	3,500	3,500	3,500	25	30	28
Switzerland	3,045.9	3,758.4	4,247.6	2,662.3	3,224.8	3,714.3	591.0	814.2	945.7	974.6	1,347.8	1,479.0	11,650	12,200	12,500	92	91	93
Taiwan <sup>#</sup>	3,841.0	4,492.0	5,250.0	2,964.0	3,471.0	4,100.0	2,010.0	2,542.0	2,410.0	2,887.0	3,563.0	3,560.0	20,500	23,000	24,000	430	500	500
Turkey	426.2	532.7	605.0	308.0	424.9	530.0	948.6	1,062.4	1,170.0	1,066.8	1,170.3	1,245.0	15,000	15,000	15,000	300	300	300
UK	774.5	738.0	792.0	879.2	943.4	944.5	921.7	1,157.2	1,152.4	816.8	952.0	997.9	7,500	7,600	7,400	80	80	n/a
United States	3,688.9	3,727.0	3,597.0	1,802.3	1,657.0	1,774.0	4,474.6	4,274.0	4,799.0	6,361.2	6,343.0	6,673.0	42,500	42,600	43,700	550	550	550

Source: International Trade Associations, International Monetary Fund, AMT Economic Handbook of the Manufacturing Technology Industry

Note: 2008 data is based on estimates

n/a: not available

\*Brazil 2006 and 2007 number of companies from data provided for 2006 General Managers' Meeting

\*China figures for 2008 production and consumption are mid-point of provided range for estimate

<sup>#</sup>Taiwan 2006 employment and number of companies from data provided for 2006 General Managers' Meeting





**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

	2007	2008(f)	
G.D.P. (rate, real terms)	8.7%	6.6%	
Industrial Output (index 2004=100)	7.50%	7.50%	
Gross Capital Investment (rate, real terms)	18.2%	13.6%	
Gross Capital Investment/GDP (percentage)	22.6%	24.2%	
Inflation Rate (at year end)	16.5%	20.5%	
	2007	2008(f)	
Exports (rate, real terms)	20.6%	24.8%	
Imports (rate, real terms)	31.0%	37.3%	
Balance of Trade (rate, real terms)	-8.1%	-16.7%	
	2007	2008(f)	
Interest Rate (primary bank rate, at year end)	13.5%	13.9%	
Unemployment (ILO rate, at year end)	7.5%	7.0%	
Your National Currency: PESO ARGENTINO	2006	2007	2008(f)
Rate Against US \$	3.08	3.14	3.16
Rate Against EURO	3.86	4.27	4.87

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	28.9	usd X 1000	33.7	20.0%	39.7	18.0%
Exports (nominal rate)	11.6	usd X 1000	12.8	10.0%	14	10.0%
Imports (nominal rate)	128.3	usd X 1000	147.5	10.5%	156.3	6.0%
Consumption (nominal rate)	145.6	usd X 1000	168.4	15.0%	182	8.0%
	2006	2007 (e)	2008(f)			
Employment (people)	1000	1100	1100			
Number of Companies	70	70	70			

(e) = Estimates (f) = Forecast

Submitted by: CARMAHE - Argentine Chamber of Machine Tools  
 Association

ARGENTINA  
 Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	3.0%	3.3%	
Industrial Output (index 1995=100)	156.1	161.4	
Gross Capital Investment (rate, real terms)	8.7%	4.6%	
Gross Capital Investment/GDP (percentage)	14.0%	12.0%	
Inflation Rate (at year end)	2.9%	3.4%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	0.5%	0.8%	
Imports (rate, real terms)	0.8%	1.9%	
Balance of Trade (rate, real terms)	-5.8%	-5.6%	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	6.3%	6.5%	
Unemployment (ILO rate, at year end)	4.9%	4.5%	
Your National Currency: _____	2006	2007 (e)	2008(f)
Rate Against US \$	0.76	0.78	0.94
Rate Against EURO	0.60	0.62	0.62

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	155	\$US mil	180	16.1%	200	11.1%
Exports (nominal rate)	136	\$US mil	153	12.5%	170	11.1%
Imports (nominal rate)	320	\$US mil	378	18.1%	400	5.8%
Consumption (nominal rate)	339	\$US mil	405	19.5%	430	6.2%
	2006		2007 (e)		2008(f)	
Employment (people)	1400		1400		1400	
Number of Companies	80		80		80	

(e) = Estimates (f) = Forecast

Submitted by: AMTIL  
 Association

Australia  
 Country

# GENERAL MANAGERS' MEETING

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### Macro Economic Indicators

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	3.4%	2.3%	
Industrial Output (index 1995=100) <b>2000=100!!</b>	135.3	140.5	
Gross Capital Investment (rate, real terms)	5.2%	2.4%	
Gross Capital Investment/GDP (percentage)	20.7%	20.6%	
Inflation Rate (at year end)	2.2%	3.5%	
<b>Exports and Imports</b>			
	2007 (e)	2008(f)	
Exports (rate, real terms)	8.6%	5.0%	
Imports (rate, real terms)	8.5%	4.3%	
Balance of Trade (rate, real terms)	3.2%	2.8%	
<b>Interest Rate and Unemployment</b>			
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	4.3%	4.4%	
Unemployment (ILO rate, at year end)	4.4%	4.2%	
<b>Exchange Rates</b>			
Your National Currency: _____ EURO _____	2006	2007 (e)	2008(f)
Rate Against US \$			
Rate Against EURO			

### Machine Tool Sector (HS 8456 - 8463)

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	519	euro	686	32.2%	768	12.0%
Exports (nominal rate)	431	euro	570	32.3%	656	15.0%
Imports (nominal rate)	351	euro	390	11.1%	429	10.0%
Consumption (nominal rate)	439	euro	506	15.3%	542	7.0%
<b>Employment and Companies</b>						
	2006		2007 (e)		2008(f)	
Employment (people)	2921.0		3134.0	7.3%	3291.0	5.0%
Number of Companies	26.0		25.0	-3.8%	25.0	0.0%

(e) = Estimates (f) = Forecast

Submitted by:           FMMI            
Association

          Austria            
Country

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**Macro Economic Indicators**

	2007 (e)	2008(f)
G.D.P. (rate, real terms)	5.40%	4.82%
Industrial Output (index 1995=100)	135.9	143.5
Gross Capital Investment (rate, real terms)	13.40%	5.00%
Gross Capital Investment/GDP (percentage)	17.60%	19.00%
Inflation Rate (at year end)	4.46%	5.86%

	2007 (e)	2008(f)
Exports (rate, real terms)	16.9%	14.9%
Imports (rate, real terms)	32.0%	34.0%
Balance of Trade (rate, real terms)	-11.25%	-42.60%

	2007 (e)	2008(f)
Interest Rate (primary bank rate, at year end)	11.25%	14.00%
Unemployment (ILO rate, at year end)	—	—

Your National Currency: <u>Real (R\$)</u>	2006	2007 (e)	2008(f)
Rate Against US \$	2.14	1.78	1.69
Rate Against EURO	—	—	—

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	956,850	US\$	1,157,790	21.00%	1,391,568	20.19%
Exports (nominal rate)	153,131	US\$	149,242	-2.54%	156,312	4.74%
Imports (nominal rate)	619,431	US\$	813,642	31.35%	1,277,184	56.97%
Consumption (nominal rate)	1,423,150	US\$	1,822,190	28.04%	2,512,440	37.88%

	2006	2007 (e)	2008(f)
Employment (people)	7,145	8,224	9,059
Number of Companies <sup>1</sup>	—	—	275

<sup>1</sup> No. of Firms in July 07, 2008.

(e) = Estimates (f) = Forecast

Submitted by: ABIMAQ  
 Association

Brazil  
 Country

# GENERAL MANAGERS' MEETING

## September 10, 2008



### Macro Economic Indicators

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	11.4%, USD3243 bil	9.5-10.4%	
Industrial Output (index 1995=100)	434		
Gross Capital Investment (rate, real terms)	24.8%, USD1805 bil	24.5-26.3%	
Gross Capital Investment/GDP (percentage)	55.6%		
Inflation Rate (at year end)	4.8%	6.0%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	USD1218 bil, 25.7%	21.6%	
Imports (rate, real terms)	USD956 bil , 20.8%	27.7%	
Balance of Trade (rate, real terms)	USD262 bil , 47.7%	-0.9%	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	7.5%	7.5%	
Unemployment (ILO rate, at year end)	4.0%	4.0%	
Your National Currency: RMB	2006	2007 (e)	2008(f)
Rate Against US \$	7.81	7.604*	7.00
Rate Against EURO	10.27	10.67	10.50

NOTE: Data with \* is the average rate of the year, others are the year end figures.

### Machine Tool Sector (HS 8456 - 8463)

	2006		2007 (e)		2008(f)	
	Value	Currency	Value	Trend	Value	Trend
	in Bil		in Bil	(in %)	in Bil	(in %)
Production (nominal rate)	7.06	USD	10.75	52.3%	12.36- 12.9	15-20%
Exports (nominal rate)	1.19		1.65	39.2%	2.23	35.0%
Imports (nominal rate)	7.24		7.07	-2.4%	7.92	12.0%
Consumption (nominal rate)	13.11		16.17	23.3%	18.05- 18.59	11.6- 15%
	2006		2007 (e)		2008(f)	
Employment (people)	235164		270674		269000	
Number of Companies	769		1030		1090	

(e) = Estimates (f) = Forecast

Submitted by: CMTBA  
Association

P.R.CHINA  
Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)
G.D.P. (rate, real terms)	5,6/51.263 bil. \$	4,3/53.467bil.\$
Industrial Output (index 1995=100)	160	169
Gross Capital Investment (rate, real terms)		
Gross Capital Investment/GDP (percentage)		
Inflation Rate (at year end)	2.9%	6.6%

	2007 (e)	2008(f)
Exports (rate, real terms)	1,19%/12.363bil\$	1,07%/13.228bil\$
Imports (rate, real terms)	1,2%/25.838bil\$	1,13%/29.197bil\$
Balance of Trade (rate, real terms)	-1.2%	-1.2%

	2007 (e)	2008(f)
Interest Rate (primary bank rate, at year end)	9.3%	10.1%
Unemployment (ILO rate, at year end)	14.8%	14.2%

Your National Currency: kuna _____	2006	2007 (e)	2008(f)
Rate Against US \$	5.84	5.37	4.72
Rate Against EURO	7.32	7.34	7.31

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	98.6	\$	104.2	6.0%	107	3.0%
Exports (nominal rate)	95.4	\$	112.6	18.0%	116	3.0%
Imports (nominal rate)	169.8	\$	210.4	24.0%	218	4.0%
Consumption (nominal rate)	173	\$	202	17.0%	209	3.0%

	2006	2007 (e)	2008(f)
Employment (people)	2312	2338	2350
Number of Companies	56	57	57

(e) = Estimates (f) = Forecast

Submitted by: \_\_\_\_\_ ALSTRO \_\_\_\_\_  
 Association

\_\_\_\_\_ CROATIA \_\_\_\_\_  
 Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	6.6%	4.6%	
Industrial Output (index 1995=100)	156.5	162.5	
Gross Capital Investment (rate, real terms)	5.8%	5.8%	
Gross Capital Investment/GDP (percentage)	24.1%	24.4%	
Inflation Rate (at year end)	5.4%	6.1%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	14.6%	11.6%	
Imports (rate, real terms)	13.8%	10.7%	
Balance of Trade (CZK bn)	87.1	80.0	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	3.5%	3.5%	
Unemployment (ILO rate, at year end)	4.8%	5.3%	
Your National Currency: _____	2006	2007 (e)	2008(f)
Rate Against US \$	22.62	20.31	16.04
Rate Against EURO	28.35	27.76	24.67

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	373.6	mill.EUR	495.8	132.7%	604.9	122.0%
Exports (nominal rate)	390.4	mill.EUR	491.5	125.9%	589.8	120.0%
Imports (nominal rate)	376.8	mill.EUR	450.5	119.4%	540.6	120.0%
Consumption (nominal rate)	360.0	mill.EUR	454.8	126.3%	555.7	112.3%
	2006		2007 (e)		2008(f)	
Employment (people)	7200		7230		7240	
Number of Companies	77		77		77	

(e) = Estimates (f) = Forecast

Submitted by: SST \_\_\_\_\_ Czech Republic \_\_\_\_\_  
 Association Country





**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	2.5%	2.4%	
Industrial Output (rate, real terms)	6.8%	2.9%	
Gross Capital Investment (rate, real terms)	5.0%	4.1%	
Gross Capital Investment/GDP (percentage)	18.5%	19.0%	
Inflation Rate (annual average)	2.3%	3.1%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	7.8%	7.0%	
Imports (rate, real terms)	4.8%	5.9%	
Balance of Trade (rate, real terms)	n.a.	na.	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	n.a.	n.a.	
Unemployment (ILO rate, at year end)	8.3%	7.2%	
Your National Currency: <u>Euro</u>	2006	2007	2008(f)
Rate Against US \$	1.26	1.37	1,54*
Rate Against EURO	-	-	-

\* average Jan-Jul

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	8 078	Euro	9 444	17%	10 400	10%
Exports (nominal rate)	5 997	Euro	6 688	12%	7 450	11%
Imports (nominal rate)	2 023	Euro	2 692	33%	3 060	14%
Consumption (nominal rate)	4 104	Euro	5 449	33%	6 010	10%
	2006	2007 (e)	2008(f)*			
Employment (people)	65 044	66 369	69 500			
Number of Companies	350**	350**	n.a.			

\* average Jan-May 08 \*\* VDW estimate

(e) = Estimates (f) = Forecast

**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

G.D.P. (rate, real terms)	2007 (e)	Apr-Jun 2008	
Industrial Output (index 1995=100)	8.7%	8.5%	
Gross Capital Investment (rate, real terms)	9	5.20%	
Gross Capital Investment/GDP (percentage)	31.4%	2,68,252 G	
Inflation Rate (at year end)	30.1%	32.3%	
	4.1%	11.2%	
Exports (rate, real terms)	2007 (e)	Apr-June 2008	
Imports (rate, real terms)	22.6%	22.3%	
Balance of Trade (rate, real terms)	24.5%	29.7%	
	NA		
Interest Rate (primary bank rate, at year end)	2007 (e)	2008(f)	
Unemployment (ILO rate, at year end)	13.5%	13.3%	
	NA	NA	
Your National Currency: Rupee	2006	2007 (e)	2008(f)
Rate Against US \$	45	42	43.79
Rate Against EURO	57	57	64.56

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	16796	Rs.	17525	4.3%	20000	14.1%
Exports (nominal rate)	746	Million	1475	97.7%	2500	69.5%
Imports (nominal rate)	37935		55640	46.7%	55000	-1.2%
Consumption (nominal rate)	53985		71690	32.8%	72500	1.1%

(e) = Estimates (f) = Forecast

Submitted by: Indian Machine Tool Manufacturers Association  
Association

India  
Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)
G.D.P. (rate, real terms)	1.5%	0.5%
Industrial Output (rate)	-0.1%	-0.7%
Gross Capital Investment (rate, real terms)	1.2%	0.1%
Gross Capital Investment/GDP (percentage)	21.2%	21.1%
Inflation Rate (year average)	1.8%	3.0%

	2007 (e)	2008(f)
Exports (rate, real terms)	5.0%	2.8%
Imports (rate, real terms)	4.4%	2.0%
Balance of Trade GDP percentage)	-2.0%	-2.2%

	2007 (e)	2008(f)
Interest Rate (primary bank rate, year average)	6.3%	6.7%
Unemployment (ILO rate, year average)	6.1%	5.9%

Your National Currency: _____	2006	2007 (e)	2008(f)
Rate Against US \$	1.26	1.37	1.53
Rate Against EURO			

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	4,554	€	5,330	17.0%	5,600	5.1%
Exports (nominal rate)	2,648	€	2,969	12.1%	3,150	6.1%
Imports (nominal rate)	1,115	€	1,403	25.8%	1,550	10.5%
Consumption (nominal rate)	3,022	€	3,764	24.6%	4,000	6.3%

	2006	2007 (e)	2008(f)
Employment (people)	28,390	28,560	29,200
Number of Companies	375	375	375

(e) = Estimates (f) = Forecast

Submitted by: UCIMU-SISTEMI PER PRODURRE  
 Association

Italy  
 Country

**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

Year:FY base

G.D.P. (rate, real terms)  
 Industrial Output (year on year)  
 Gross Capital Investment (rate, real terms)  
 Gross Capital Investment/GDP (percentage)  
 Inflation Rate (at year end)

	2007 (e)	2008(f)
G.D.P. (rate, real terms)	1.6	2.0
Industrial Output (year on year)	2.6	2.2
Gross Capital Investment (rate, real terms)	-0.1	3.9
Gross Capital Investment/GDP (percentage)	15.7	16.2
Inflation Rate (at year end)	0.4	0.3

Exports (rate, real terms)  
 Imports (rate, real terms)  
 Balance of Trade (rate, real terms)

	2007 (e)	2008(f)
Exports (rate, real terms)	9.5	6.4
Imports (rate, real terms)	2.1	5.9
Balance of Trade (rate, real terms)	1.2	0.4

Interest Rate (primary bank rate, at year end)  
 Unemployment (ILO rate, at year end)

	2007 (e)	2008(f)
Interest Rate (primary bank rate, at year end)	1.875	-
Unemployment (ILO rate, at year end)	3.8	3.8

Your National Currency: \_\_\_\_\_  
 Rate Against US \$  
 Rate Against EURO

	2006	2007 (e)	2008(f)
Rate Against US \$	116.9	115.6	111.2
Rate Against EURO	150.01	161.53	-

Source:Cabinet Office,Government of Japan

**Machine Tool Sector (HS 8456 - 8461)**

Year:CY base

Production (nominal rate)  
 Exports (nominal rate)  
 Imports (nominal rate)  
 Consumption (nominal rate)

2006		2007 (e)		2008(f)	
Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
1,211,230	millions of yen	1,304,049	108	1,305,000	100
921,456	millions of yen	892,032	97	892,000	99
135,649	millions of yen	72,601	54	73,000	99
425,423	millions of yen	484,618	114	486,000	100

Employment (people)  
 Number of Companies

	2006	2007 (e)	2008(f)
Employment (people)	23,503	24,621	-
Number of Companies	n.a.	n.a.	n.a.

Source:Production and Number of Employment METI,Exports and Imports MOF

(e) = Estimates (f) = Forecast

Submitted by:           JMTBA            
 Association

          Japan            
 Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	5.0%	4.6%	
Industrial Output (index 2005=100)	115.7	-	
Gross Capital Investment (rate, real terms)	7.6%	1.3%	
Gross Capital Investment/GDP (percentage)	29.4%	-	
Inflation Rate (at year end)	2.5%	4.7%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	14.1%	18.5%	
Imports (rate, real terms)	15.3%	24.4%	
Balance of Trade (rate, real terms)	-1.2%	-	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	5.0%	5.0%	
Unemployment (ILO rate, at year end)	3.2%	3.2%	
Your National Currency: _____	2006	2007 (e)	2008(f)
Rate Against US \$	956	929	985
Rate Against EURO	1199	1273	1504

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	4,112	USD	4,550	10.7	4,900	7.7
Exports (nominal rate)	1,425	USD	1,816	27.4	2,200	21.1
Imports (nominal rate)	1,298	USD	1,351	4.1	1,600	18.4
Consumption (nominal rate)	3,985	USD	4,085	2.5	4,300	5.3
	2006		2007 (e)		2008(f)	
Employment (people)	15,379		16,148		16,955	
Number of Companies	833		875		919	

(e) = Estimates (f) = Forecast

Note : The export & import data is not included in the machines for semi-conductor.

Submitted by: Korea Machine Tool Manufacturers' Association(KOMMA)  
 Association

S.Korea  
 Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	5.9%	6.6%	
Industrial Output (index 2000=100)	322.18	344.5	
Gross Capital Investment (rate, real terms)	26.7%	21.5%	
Gross Capital Investment/GDP (percentage)	28.9%	33.0%	
Inflation Rate (at year end)	8.7%	5.8%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	13.7%	19.9%	
Imports (rate, real terms)	25.1%	9.1%	
Balance of Trade (rate, mill.EURO)	-44.9% -21,591	5.6% -20,370	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	7.5%	8.5%	
Unemployment (ILO rate, at year end)	4.3%	5.0%	
Yor national currency-LEI	2006	2007 (e)	2008(f)
Rate Against US \$	2.56	2.45	2.59
Rate Against EURO	3.38	3.61	3.74

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	51.95	EURO	35.79	-31.1%	37.43	4.6%
Exports FOB base (nominal rate)	59.28	EURO	57.99	-2.2%	52.5	-9.5%
Imports CIF base (nominal rate)	180.97	EURO	281.69	55.7%	260.8	-7.4%
Consumption (nominal rate)	173.65	EURO	259.49	49.4%	245.73	-5.3%
	2006	2007 (e)	2008(f)			
Employment (people)	7,600	n.a	n.a			
Number of Companies	21	n.a	n.a			

(e) = Estimates (f) = Forecast

Submitted by: CROMUS  
 Association

ROMANIA  
 Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2006	2007 (e)	2008(f)
G.D.P. (rate, real terms) Billion \$	650.3	692.6	751.5
Industrial Output (index 1995=100) Billion \$	433.7	461.9	492.8
Gross Capital Investment (rate, real terms) Billion \$	112.1	119.6	143.5
Gross Capital Investment/GDP (percentage) %	17.2	17.2	19.0
Inflation Rate (at year end) %	8.5	11.0	11.0
		2007 (e)	2008(f)
Exports (rate, real terms)	280.5	310.0	465.0
Imports (rate, real terms)	113.4	136.1	176.9
Balance of Trade (rate, real terms)	393.9	446.1	641.9
		2007 (e)	2008(f)
Interest Rate (primary bank rate, at year end)			
Unemployment (ILO rate, at year end)			
Your National Currency: <u>  </u> rubles RF <u>  </u>	2006	2007 (e)	2008(f)
Rate Against US \$	27.10	27.00	23.50
Rate Against EURO	34.50	34.00	36.40

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	345	million \$	415.1	20.0%	450	10.0%
Exports (nominal rate)	117.4	million \$	142.4	21.0%	156.4	10.0%
Imports (nominal rate)	599.4	million \$	984.5	64.0%	1063.2	8.0%
Consumption (nominal rate)	827	million \$	1257.2	52.0%	1356.8	8.0%
			2006	2007 (e)	2008(f)	
Employment (people)			90000	92000	95000	
Number of Companies						

(e) = Estimates (f) = Forecast

Submitted by:   Stankoinstrument    
  Association  

  Russia    
  Country



**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	3.8%	1.8%	
Industrial Output (index 1995=100)	3.1	+ 2	
Gross Capital Investment (rate, real terms)	5.9%	3.5%	
Gross Capital Investment/GDP (percentage)	1.5%	1.9%	
Inflation Rate (at year end)	4.2%	5.0%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	5.3%	5.0%	
Imports (rate, real terms)	6.6%	5.0%	
Balance of Trade (rate, real terms)	-32.7	-30.0	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	5.2%	5.4%	
Unemployment (ILO rate, at year end)	8.3%	11.0%	
Your National Currency: _EURO	2006	2007 (e)	2008(f)
Rate Against US \$	1 US\$=0.796 €	1 US\$=0.730 €	1 US\$=0.730 €
Rate Against EURO	1.00	1.00	1.00

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	1,229.8	US\$	1,434.9	+ 16.7	1,506.7	+ 5
Exports (nominal rate)	700.9	US\$	851.4	+ 21.5	911.0	+ 7
Imports (nominal rate)	578.9	US\$	697.1	+ 20.4	711.1	+ 2
Consumption (nominal rate)	1,107.8	US\$	1,280.6	+ 15.6	1,306.8	+ 2
	2006	2007	2008(f)			
Employment (people)	5.647	5.546	5.550			
Number of Companies	113	111	111			

(e) = Estimates (f) = Forecast

Submitted by: AFM  
 Association

SPAIN  
 Country

# GENERAL MANAGERS' MEETING

## September 10, 2008



### Macro Economic Indicators

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	2.7%	1.7%	
Industrial Output (index 1995=100)	3.90%	2%	
Gross Capital Investment (rate, real terms)	8.0%	4.5%	
Gross Capital Investment/GDP (percentage)	19.7%	20.0%	
Inflation Rate (at year end)	2.2%	3.7%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	6.0%	4.9%	
Imports (rate, real terms)	9.6%	4.0%	
Balance of Trade (rate, real terms)			
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	4.4%	5.1%	
Unemployment (ILO rate, at year end)	6.0%	5.5%	
Your National Currency: SEK	2006	2007 (e)	2008(f)
Rate Against US \$	7.38	6.72	6.00
Rate Against EURO	9.04	9.45	9.40

### Machine Tool Sector (HS 8456 - 8463)

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	185.2	EURO	201.5	8.8%	211.6	5.0%
Exports (nominal rate)	169.4	EURO	143.0	-15.6%	170.0	18.9%
Imports (nominal rate)	270.2	EURO	344.6	27.5%	350.0	1.6%
Consumption (nominal rate)	286.0	EURO	403.1	40.9%	391.6	-2.9%
	2006	2007 (e)	2008(f)			
Employment (people)	3500	3500	3500			
Number of Companies	25	30	28			

(e) = Estimates (f) = Forecast

**Comment:** The very high increase in consumption between 2006/2007 can partly be explained by an election for parliament and an expected and in the end actual change in government.

Submitted by: **FVM**  
Association

**SWEDEN**  
Country

**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	3.1%	2.3%	
Industrial Output (index 1995=100)	149	145	
Gross Capital Investment (rate, real terms)	7.2%	3.2%	
Gross Capital Investment/GDP (percentage)	na	na	
Inflation Rate (at year end)	0.7%	2.4%	
	2007 (e)	2008(f)	
Exports (rate, real terms)	10.0%	2.8%	
Imports (rate, real terms)	5.3%	3.0%	
Balance of Trade (rate, real terms)	15.7%	-22.6%	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	2.8%	2.8%	
Unemployment (ILO rate, at year end)	2.8%	2.4%	
Your National Currency: <u>Swiss Francs (CHF)</u>	2006	2007 (e)	2008(f)
Rate Against US \$	1.22	1.13	1.05
Rate Against EURO	1.61	1.65	1.58

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	3716	CHF	4247	14.3%	4460	5.0%
Exports (nominal rate)	3248	CHF	3644	12.9%	3900	7.0%
Imports (nominal rate)	721	CHF	920	27.6%	993	8.0%
Consumption (nominal rate)	1189	CHF	1523	28.1%	1553	2.0%
	2006		2007 (e)		2008(f)	
Employment (people)	11650		12200		12500	
Number of Companies	92		91		93	

(e) = Estimates (f) = Forecast

Submitted by:                     SWISSMEM                      
 Association

                    Switzerland                      
 Country

**GENERAL MANAGERS' MEETING**  
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**Macro Economic Indicators**

	2007 (e)	2008(f)	
G.D.P. (rate, real terms)	5.7%	4.8%	
Industrial Output (index 1995=100)	190	205	
Gross Capital Investment (rate, real terms) Billion US\$	81.3	94.4	
Gross Capital Investment/GDP (percentage)	20.6%	21.0%	
Inflation Rate (at year end)	1.8%	3.7%	
	2007 (e)	2008(f)	
Exports (rate, real terms) Billion US\$	246.7	284.0	
Imports (rate, real terms) Billion US\$	219.3	263.0	
Balance of Trade (rate, real terms) Billion US\$	27.4	21.0	
	2007 (e)	2008(f)	
Interest Rate (primary bank rate, at year end)	4.31%	4.39%	
Unemployment (ILO rate, at year end)	3.9%	3.8%	
Your National Currency: NT\$	2006	2007 (e)	2008(f)
Rate Against US \$	32.50	32.78	31.00
Rate Against EURO			

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	3841	US\$	4492	16.9%	5250	16.9%
Exports (nominal rate)	2964	US\$	3471	17.1%	4100	18.1%
Imports (nominal rate)	2010	US\$	2542	26.4%	2410	-5.2%
Consumption (nominal rate)	2887	US\$	3563	23.4%	3560	0%
	2006		2007 (e)		2008(f)	
Employment (people)			23,000		24,000	
Number of Companies			500		500	

(e) = Estimates (f) = Forecast

**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

	2007 (e)	2008(f)
G.D.P. (rate, real terms) [Constant Value Growth Rate]	4.5%	4.0%
Industrial Output (index 1995=100) <b>YoY Change</b>	5.40%	--
Gross Capital Investment (rate, real terms)	3.3%	8.4%
Gross Capital Investment/GDP (percentage)	25.5%	25.3%
Inflation Rate (at year end)	8.4%	11.2%

	2007 (e)	2008(f)
Exports (rate, real terms) [Billion US\$]	107.2%	132.0%
Imports (rate, real terms) [Billion US\$]	170.0%	210.0%
Balance of Trade (rate, real terms) [Billion US\$]	-62.8%	-78.0%

	2007 (e)	2008(f)
Interest Rate (primary bank rate, at year end)	15.75/20.0%	16.25/20.25%
Unemployment (ILO rate, at year end)	10.4%	10.7%

Your National Currency: _____ YTL _____	2006	2007 (e)	2008(f)
Rate Against US \$	1.43	1.19	1.22
Rate Against EURO	1.89	1.74	1.93

**Machine Tool Sector (HS 8456 - 8463)**

	2006		2007 (e)		2008(f)	
	Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
Production (nominal rate)	426.2	\$	532.7	25.0%	605	14.0%
Exports (nominal rate)	308	\$	424.9	38.0%	530	25.0%
Imports (nominal rate)	948.6	\$	1062.4	12.0%	1170	10.0%
Consumption (nominal rate)	1066.8	\$	1170.3	9.7%	1245	6.0%

	2006	2007 (e)	2008(f)
Employment (people)	15000	15000	15000
Number of Companies	300	300	300

(e) = Estimates (f) = Forecast

Submitted by: Turkish Machinery Manufacturers' Association  
Association

Turkey  
Country

**GENERAL MANAGERS' MEETING**  
**September 10, 2008**



**Macro Economic Indicators**

G.D.P. (rate, real terms)  
 Industrial Output (index 1995=100)  
 Gross Capital Investment (rate, real terms)  
 Gross Capital Investment/GDP (percentage)  
 Inflation Rate (at year end)

2007 (e)	2008(f)
3.1%	1.6%
0.3%	-0.2%
6.0%	0.3%
18.4%	18.1%
2.1%	4.5%

Exports (rate, real terms)  
 Imports (rate, real terms)  
 Balance of Trade (rate, real terms)

2007 (e)	2008(f)
-5.1%	1.5%
-2.4%	0.8%
-17.8%	21.3%

Interest Rate (primary bank rate, at year end)  
 Unemployment (ILO rate, at year end)

2007 (e)	2008(f)
5.5%	5.0%
2.6%	2.8%

Your National Currency: £ Sterling  
 Rate Against US \$  
 Rate Against EURO

2006	2007 (e)	2008(f)
1.84	2.00	1.98
1.47	1.46	1.27

**Machine Tool Sector (HS 8456 - 8463)**

Production (nominal rate)  
 Exports (nominal rate)  
 Imports (nominal rate)  
 Consumption (nominal rate)

2006		2007 (e)		2008(f)	
Value in Mil	Currency	Value in Mil	Trend (in %)	Value in Mil	Trend (in %)
420.9	£ mil	369	-12.3%	400	8.3%
477.8	£ mil	471.68	-1.3%	477	1.1%
500.9	£ mil	578.58	15.5%	582	0.5%
443.9	£ mil	476	7.2%	504	5.9%

Employment (people)  
 Number of Companies (manufacturers)

2006	2007 (e)	2008(f)
7500	7600	7400
about 80	about 80	n/a

(e) = Estimates (f) = Forecast

Submitted by: MTA  
 Association

United Kingdom  
 Country

# GENERAL MANAGERS' MEETING

September 10, 2008

## Macro Economic Indicators

	2007 (e)	2008 (f)	
G.D.P. (rate, real terms)	2.03	1.56	
Industrial Output (index 1995=100)	138.52	139.56	
Gross Capital Investment (rate, real terms)	1.24	0.91	
Gross Capital Investment/GDP (percentage)	19.03	18.91	
Inflation Rate (at year end)	2.86	4.29	
	2007 (e)	2008 (f)	
Exports (rate, real terms)	8.45	7.95	
Imports (rate, real terms)	2.17	-0.47	
Balance of Trade (rate, real terms)	-11.2	-22.4	
	2007 (e)	2008 (f)	
Interest Rate (primary bank rate, at year end)	8.1	5.7	
Unemployment (ILO rate, at year end)	4.6	5.5	
Your National Currency: <u>US\$</u>	2006	2007 (e)	2008 (f)
Rate Against US\$	1	1	1
Rate Against EURO	1.27	1.37	1.54

## Machine Tool Sector (HS 8456 - 8463)

	2006		2007 (e)		2008(f)	
	Value	Currency	Value	Trend (in %)	Value	Trend (in %)
Production (nominal rate)	3,688.9	Mil. USD	3,727	1.0	3,597	-3.5
Exports (nominal rate)	1,802.3	Mil. USD	1,657	-8.0	1,774	7.0
Imports (nominal rate)	4,474.6	Mil. USD	4,274	-4.5	4,799	12.3
Consumption (nominal rate)	6,361.2	Mil. USD	6,343	-0.3	6,673	5.2
	2006	2007 (e)	2008 (f)			
Employment (people)	42,500	42,600	43,700			
Number of Companies	550	550	550			

(e) = Estimates (f) = Forecast

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