# THE FORTIS-CORRADINI INDEX by Marco Fortis

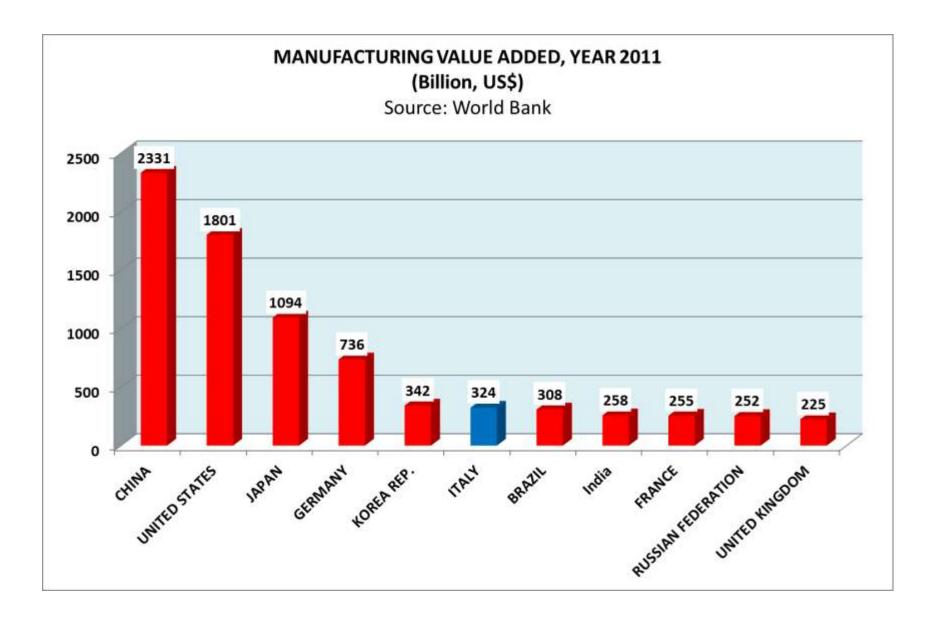
(Fondazione Edison and Catholic University)

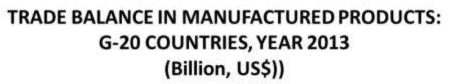
#### INTERNATIONAL CONFERENCE

"Where do we stand? Global perspectives on the industrial competitiveness of Italian manufacturing"

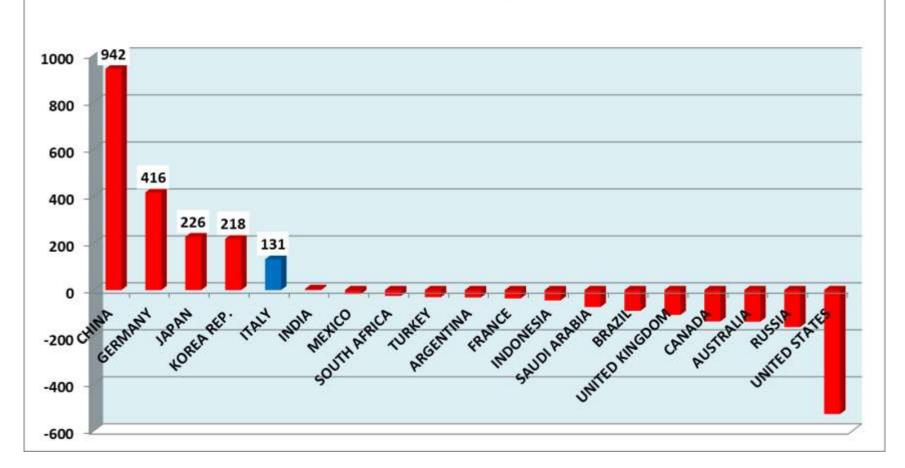
Milan, 27 January 2015







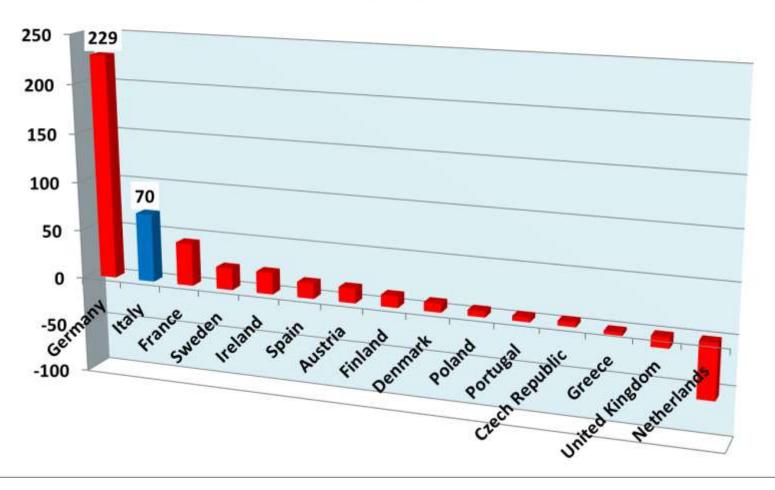
Source: WTO





(Billion EUR)

Source: Eurostat



## PRODUCTS IN WHICH ITALY HOLDS THE TOP SPOT IN THE WORLD FOR TRADE BALANCE

Index of competitive excellence of Italy in the world export market; Fortis-Corradini's Index ©

(case study on a total sample of 5,117 products internationally traded)
Year 2012; Trade balance in billions of dollars

ITALY positioning in the world for trade balance	Number of products	Trade balance of products
FIRST	235	56
SECOND	376	68
THIRD	321	53
TOTAL	932	177





#### MANUFACTURING TRADE SURPLUS

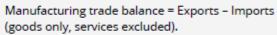
#### ITALY RANKS 5<sup>™</sup> AMONGST G-20 COUNTRIES



Italy has the fifth manufacturing trade surplus amongst G-20 countries, exclusive of energy and minerals, with a positive balance of 122 billion dollars in 2013, as a result of 482 billion dollars exported and 360 billion dollars imported.

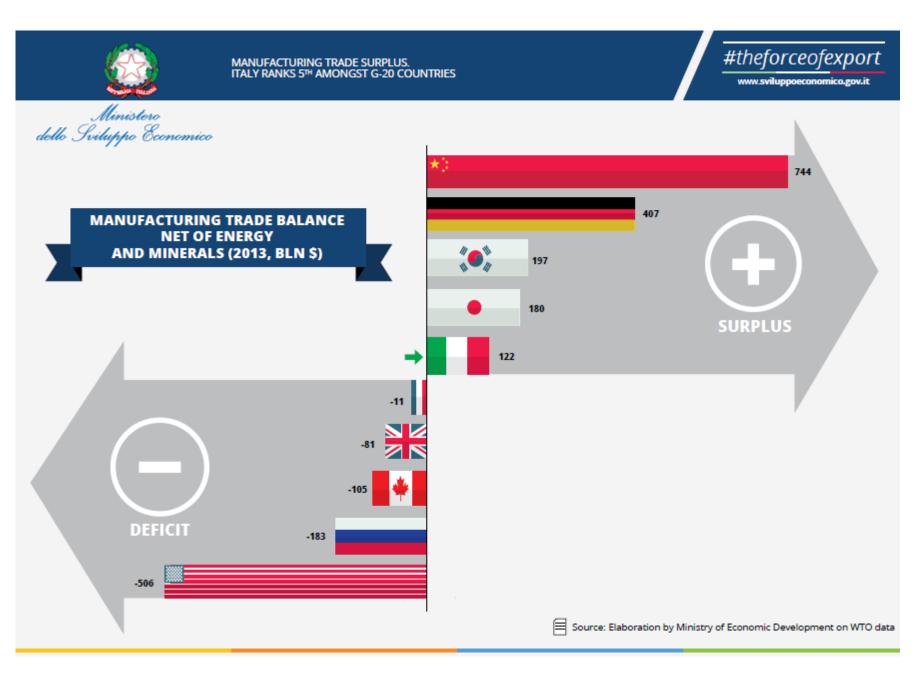
Amongst European countries, we are second to Germany only, while France and the United Kingdom show trade deficits.

If we also include the energy and minerals sectors, the Italian trade balance is still on the positive side, with a surplus of 40 billion dollars.



If exports exceed imports (positive balance), then the country has a trade surplus. If imports exceed exports (negative balance), then the country has a trade deficit.









#### WORLD LEADERSHIP IN TRADE SURPLUS

FOR ALMOST 1,000 PRODUCTS

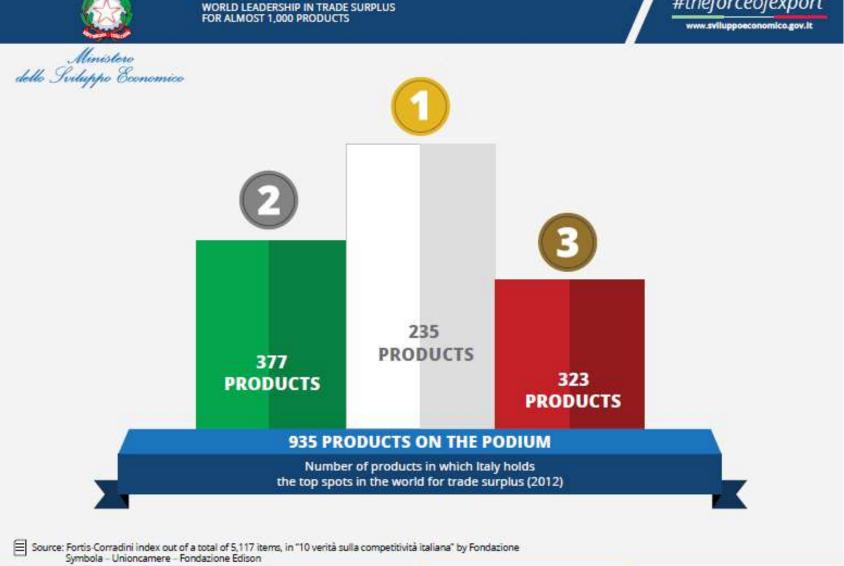


In 2012, out of a total of 5,117 merchandised products (the most detailed breakdown of world trade by industry), Italy occupies leadership positions for trade surplus referred to 935 products, as it ranks first in 235 products ("gold medal"), second in 377 products ("silver medal") and third in 323 products ("bronze medal").













#### AMONG THE INDUSTRIALISED NATIONS

#### ITALY HAS MAINTAINED MOST OF ITS MARKET SHARE

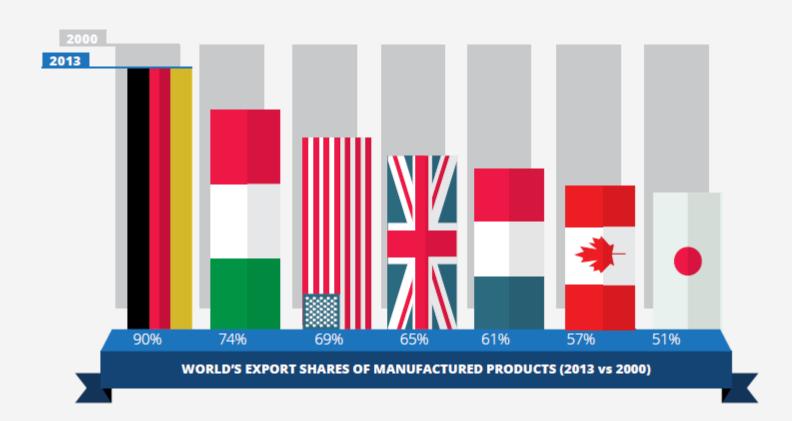


Italy cannot be considered a victim of globalisation when competing with emerging economies. Rather, we belong to those countries that have suffered less from the entrance of China and other BRICS in the world market, since we have maintained 74% of our export share compared to 2000. Even though our performance is not comparable to that of Germany (90%), we are still doing better than the United States (69%), the United Kingdom (65%), France (61%) Canada (57%) and Japan (51%).



Source: Elaboration by Ministry of Economic Development on WTO data





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#### ACCORDING TO THE TRADE PERFORMANCE INDEX

#### ► ITALY IS THE 2<sup>ND</sup> MOST PERFORMING COUNTRY



The Trade Performance Index is an indicator of international competitiveness ranking 189 countries in 14 macro-sectors. It takes into account not only the absolute value of trade, but also the size of markets and their specialisation, as well as, if any, their weak points resulting from an excessive concentration on a few products or a few importing countries. In 2013, Italy ranked first in 3 sectors (Leather products, Clothing, Textiles), second in another 5 sectors (Non-electronic machinery, Basic manufactures, Transport equipment, Electronic components, Miscellaneous manufacturing), and seventh in Processed food. Italy confirms its position as the second most performing country after Germany – that ranks first in eight sectors and second in one, thus outdoing China, South Korea, France and Japan, whereas the USA, the United Kingdom and Canada perform less brilliantly among the most developed countries.

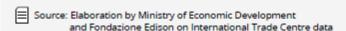






#### RANKING OF MAIN MANUFACTURERS IN THE TRADE PERFORMANCE INDEX (2013)

MACRO-SECTORS	GERMANY	ITALY	CHINA	SOUTH KOREA	FRANCE	JAPAN	UNITED STATES
FRESH FOOD	27	37	50	79	6	89	8
PROCESSED FOOD	1	7	24	71	3	88	38
WOOD PRODUCTS	1	25	36	50	28	53	31
TEXTILES	2	1	3	8	19	35	35
CHEMICALS	1	28	24	9	4	8	6
LEATHER PRODUCTS	15	1	2	38	16	74	40
BASIC MANUFACTURES <sup>1</sup>	1	2	6	4	27	7	47
NON-ELECTRONIC MACHINERY	1	2	5	11	10	12	25
IT & CONSUMER ELECTRONICS	12	22	8	7	18	40	23
ELECTRONIC COMPONENTS <sup>2</sup>	1	2	40	17	20	5	30
TRANSPORT EQUIPMENT	1	2	18	3	14	12	35
CLOTHING	15	1	2	47	12	79	41
MISCELLANEOUS MANUFACTURING <sup>3</sup>	1	2	8	41	23	9	25
MINERALS	31	46	75	66	28	85	21
			*3	(6)		•	





<sup>1)</sup> Includes metal and marble products, and pottery

<sup>2)</sup> Includes electrical household appliances

<sup>3)</sup> Includes glasses, jewelry, and plastic articles

## PRODUCTS IN WHICH ITALY <u>HOLDS THE TOP SPOT</u> IN THE WORLD FOR TRADE BALANCE; A SUBVISION FOR VALUE

Index of competitive excellence of Italy in the world export market; Fortis-Corradini's Index ©

(case study on a total sample of 5,117 products internationally traded)
Year 2012; Trade balance in billions of dollars

positioning In the world for trade balance	> 3 Billion \$	1 <x<3 Billion \$</x<3 	0,5 <x<1 Billion \$</x<1 	50 <x<500 Million \$</x<500 	Total number of products	Trade balance of products
FIRST	0	11	19	135	235	56
SECOND	2	12	12	180	376	68
THIRD	2	8	12	141	321	53
TOTAL	4	31	43	456	932	177

# The top 20 products in which Italy holds the top spot in the world for trade balance: year 2012

Index of competitive excellence of Italy in the world export market;
Fortis-Corradini Index

(case study on a total sample of 5,117 products internationally traded)

Rank	Commodity Description	Trade Balance Value (million \$)
1	Footwear, outer soles and uppers of leather, nes	2.652
2	Handbags with outer surface of leather	2.536
3	Packing or wrapping machinery nes	2.403
4	Uncooked pasta, not stuffed or prepared, without eggs	1.853
5	Sunglasses	1.828
6	Bovine and equine leather, full or split grain, nes	1.749
7	Parts of wash, filling, closing, aerating machinery	1.393
8	Helicopters of an unladen weight > 2,000 kg	1.362
9	Pipes and tubing, stainless steel, welded	1.109
10	Hollow profiles/tubes,iron/steel,non-circular, welded	1.081

# The top 20 products in which Italy holds the top spot in the world for trade balance: year 2012

Index of competitive excellence of Italy in the world export market;
Fortis-Corradini Index

#### (case study on a total sample of 5,117 products internationally traded)

(CONTINUED)

Rank	Commodity Description	Trade Balance Value (millions \$)
11	Chocolate/cocoa food preparations nes	1.007
12	Tomatoes, whole/pieces, prepared/preserved, no vinegar	998
13	Pumps nes	968
14	Pipes etc nes, iron/steel welded nes,diameter <406.4mm	949
15	Bovine and equine leather, nes	921
16	Apples, fresh	909
17	Refrigerator/freezer chests/cabinets/showcases	852
18	Commercial equipment, hot drinks/cooking/heating food	747
19	Articles, iron or steel nes, forged/stamped, nfw	721
20	Bakery and pasta making machinery	707

## The top 20 products in which Italy holds the second position in the world for trade belonger 2012

in the world for trade balance: year 2012

Index of competitive excellence of Italy in the world export market;

Fortis - Corradini's Index

(case study on a total sample of 5,117 products internationally traded

Rank	Commodity Description	Trade Balance Value (million \$)
1	Taps, cocks, valves and similar appliances, nes	4.933
2	Grape wines nes, fortified wine or must, pack < 2l	4.560
3	Furniture, wooden, nes	1.878
4	Furniture parts nes	1.871
5	Articles of iron or steel, nes	1.857
6	Wheeled tractors nes	1.562
7	Unglazed ceramic flags, tiles > 7 cm wide	1.532
8	Parts of gas turbine engines except turbo-jet/prop	1.439
9	Machinery to fill, close, aerate,etc bottle, container	1.432
10	Electric conductors, 80-1,000 volts, no connectors	1.298

## The top 20 products in which Italy holds the second position in the world for trade balance: year 2012

Index of competitive excellence of Italy in the world export market;

Fortis - Corradini's Index

#### (case study on a total sample of 5,117 products internationally traded

(CONTINUED)

Rank	Commodity Description	Trade Balance Value (million \$)
11	Articles of aluminium, nes	1.211,2
12	Parts of machines and mechanical appliances nes	1.164,5
13	Motorboats, other than outboard motorboats	1.117,2
14	Coffee, roasted, not decaffeinated	1.055,5
15	Parts of vacuum pumps, compressors,fans,blowers,hoods	819,4
16	Communion wafers, rice paper, bakers wares nes	756,3
17	Grapes, fresh	723,6
18	Heat exchange units, non-domestic, non-electric	682,4
19	Machinery for treatment by temperature change nes	666,2
20	Grape wines, sparkling	639,6

### The top 20 products in which Italy holds the third position

#### in the world for trade balance: year 2012

Index of competitive excellence of Italy in the world export market; Fortis - Corradini's Index

(case study on a total sample of 5,117 products internationally traded

Rank	Commodity Description	Trade Balance Value (million \$)
1	Jewellery and parts of precious metal except silver	4.282
2	Motor vehicle parts nes	3.787
3	Glazed ceramic flags, tiles wider than 7 cm	2.311
4	Machines and mechanical appliances nes	2.200
5	Plastic articles nes	1.417
6	Gearing, ball screws, speed changers, torque converter	1.369
7	Air or gas compressors, hoods	1.259
8	Seats with wooden frames, upholstered nes	1.217
9	Brake system parts except linings for motor vehicles	1.147
10	Drive axles with differential for motor vehicles	1.013

## The top 20 products in which Italy holds the third position

#### in the world for trade balance: year 2012

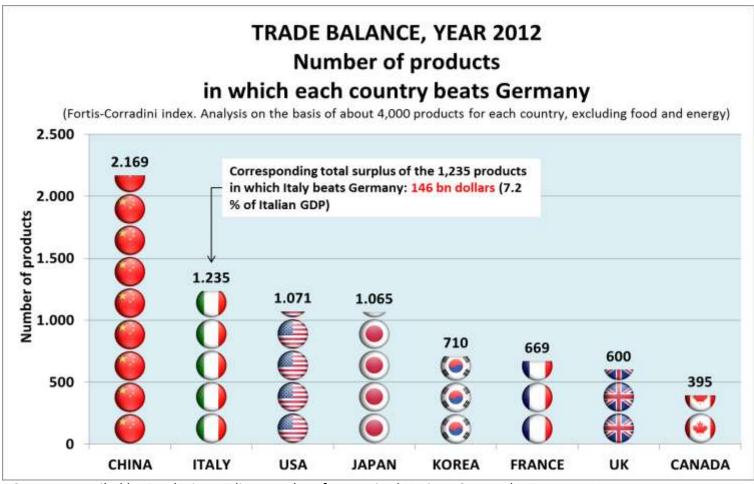
Index of competitive excellence of Italy in the world export market;
Fortis - Corradini's Index

#### (case study on a total sample of 5,117 products internationally traded

(CONTINUED)

Rank	Commodity Description	Trade Balance Value (million \$)
11	Structures and parts of structures, iron or steel, nes	938,7
12	Footwear, sole rubber, plastics uppers of leather, nes	918,4
13	Bar/rod, i/nas, indented or twisted, nes	862,1
14	Bolts/screws nes, with/without nut/washer, iron/steel	838,5
15	Flat rld prod n/coils<10	777,9
16	Kitchen furniture, wooden, nes	742,7
17	Automatic washing machines, of a dry capacity < 10 kg	704,4
18	Plastic sheet, film, foil or strip, nes	690,3
19	Special purpose motor vehicles nes	682,9
20	Chandeliers, other electric ceiling or wall lights	637,9

# Italy is the second country after China for the highest number of non-food manufactured products with a trade balance value higher than of Germany's (taken as a benchmark)



Source: compiled by Fondazione Edison on data from United Nations Comtrade, Eurostat, Istat

## Index of competitive excellence of Italy in the world export market Fortis-Corradini index, Fondazione Edison ©

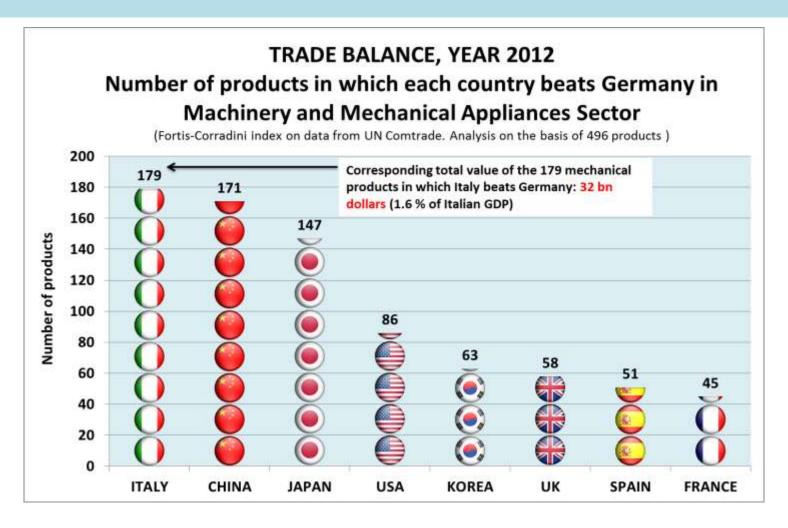
Number of products in which Italy is a world leader in the <u>machinery</u>, <u>mechanical appliances and metal products industry</u>: year 2012

(case study on a total sample of 633 products internationally traded)

	ITALY positioning in the world for trade balance	Number of Products (HS96 class.)	Trade balance of products (billion \$)
	FIRST	70	21
	SECOND	112	28
(3)	THIRD	103	18
77	TOTAL	285	66

#### **Italy is the first country in the world**

for the highest number of machinery and mechanical appliance products with a trade balance value higher than of Germany's (taken as a benchmark)



#### The top 20 products in which Italy holds the first position

in the machinery, mechanical appliances and metal products industry: year 2012

#### Fortis - Corradini's Index

(case study on a total sample of 633 products internationally traded)

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Rank	Commodity description	Trade Balance (mln \$)
1	Packing or wrapping machinery nes	2.403
2	Parts of wash, filling, closing, aerating machinery	1.393
3	Pipes and tubing, stainless steel, welded	1.109
4	Hollow profiles/tubes,iron/steel,non-circular, welded	1.081
5	Pumps nes	969
6	Pipes etc nes, iron/steel welded nes, diameter < 406.4 mm	949
7	Refrigerator/freezer chests/cabinets/showcases	852
8	Commercial equipment, hot drinks/cooking/heating food	747
9	Articles, iron or steel nes, forged/stamped, nfw	722
10	Bakery and pasta making machinery	708

#### The top 20 products in which Italy holds the first position

#### in the machinery, mechanical appliances and metal products industry: year 2012

#### Fortis - Corradini's Index

(case study on a total sample of 633 products internationally traded)



(CONTINUED)

Rank	Commodity description	Trade Balance (mln \$)
11	Parts of metal rolling mills and rolls	634
12	Machines to agglomerate, shape, mould minerals or fuel	506
13	Machinery for making up pulp, paper, paperboard nes	495
14	Machine tools for wood, cork or hard plastic, etc nes	469
15	Machine tools nes for stone, ceramics and cold glass	354
16	Parts, accessories nes, metal shaping machine tools	351
17	Cranes designed for mounting on road vehicles	332
18	Machinery for preparing or making up tobacco	314
19	Boring-milling machines num controlled for metal	264
20	Domestic iron/steel solid fuel appliances, not cookers	264

#### The top 20 products in which Italy holds the second position

#### in the machinery, mechanical appliances and metal products industry: year 2012



(case study on a total sample of 633 products internationally traded)



Rank	Commodity description	Trade Balance (mln \$)
1	Taps, cocks, valves and similar appliances, nes	4.933
2	Articles of iron or steel, nes	1.857
3	Parts of gas turbine engines except turbo-jet/prop	1.439
4	Machinery to fill, close, aerate,etc bottle, container	1.432
5	Parts of machines and mechanical appliances nes	1.164
6	Parts of vacuum pumps, compressors, fans, blowers, hoods	819
7	Heat exchange units, non-domestic, non-electric	682
8	Machinery for treatment by temperature change nes	666
9	Rubber or plastic working machines, nes	535
10	Cooking appliances for gas fuel, etc, iron or steel	519

#### The top 20 products in which Italy holds the second position

#### in the machinery, mechanical appliances and metal products industry: year 2012



(case study on a total sample of 633 products internationally traded)



(CONTINUED)

Rank	Commodity description	Trade Balance (mln \$)
11	Parts of turbo-jet or turbo-propeller engines	482
12	Parts of refrigerating or freezing equipment	429
13	Fittings, pipe or tube, iron or steel, nes	427
14	Pipe flanges, iron or steel except stainless/cast	410
15	Parts of taps, cocks, valves or similar appliances	395
16	Num controlled machine tools to bend, fold, etc, metal	391
17	Steam or sand blasting machines	377
18	Central heating boilers nes	376
19	Ventilating hoods having a maximum width < 120 cm	368
20	Parts of lifts, skip hoist or escalators	351

#### The top 20 products in which Italy holds the third position

#### in the machinery, mechanical appliances and metal products industry: year 2012

#### Fortis - Corradini's Index

(case study on a total sample of 633 products internationally traded)

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3 products internationally traded)	(3)

Rank	Commodity description	Trade Balance (mln \$)
1	Machines and mechanical appliances nes	2.200
2	Gearing, ball screws, speed changers, torque converter	1.369
3	Air or gas compressors, hoods	1.259
4	Structures and parts of structures, iron or steel, nes	939
5	Bolts/screws nes, with/without nut/washer, iron/steel	838
6	Automatic washing machines, of a dry capacity < 10 kg	704
7	Lifts and skip hoists	487
8	Pipes, line, iron or steel, for oil or gas pipelines	453
9	Parts for mineral sort, screen, mix, etc machines	431
10	Boring or sinking machinery nes, self-propelled	423

#### The top 20 products in which Italy holds the third position

#### in the machinery, mechanical appliances and metal products industry: year 2012

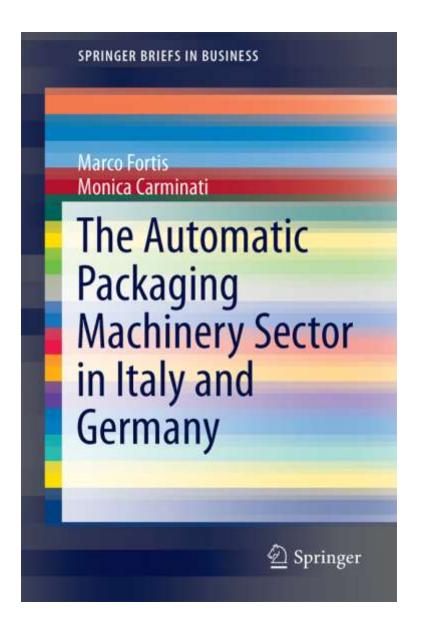
#### Fortis - Corradini's Index

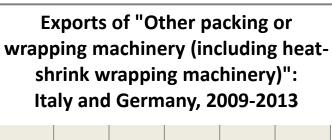
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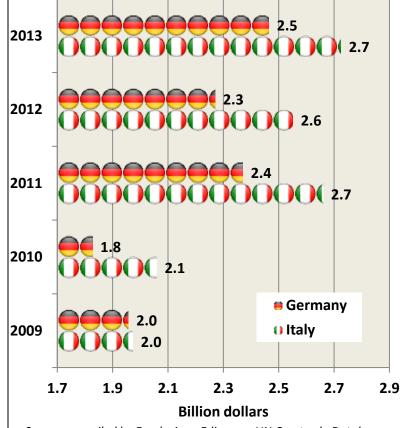


(CONTINUED)

Rank	Commodity description	Trade Balance (mln \$)
11	Valves for oleohydraulic or pneumatic transmissions	407
12	Refrigerating or freezing equipment nes	382
13	Extruders for working rubber or plastic	363
14	Parts, laboratory/industrial heating/cooling machinery	323
15	Lifting, handling, loading or unloading machinery nes	293
16	Air conditioners nes, with refrigerating unit	293
17	Parts of machines for working rubber or plastic	277
18	Textile yarn winding or reeling machines	256
19	Parts for sprays and powder dispersers	223
20	Steel pipes nes, longitudinally welded diameter>406mm	222

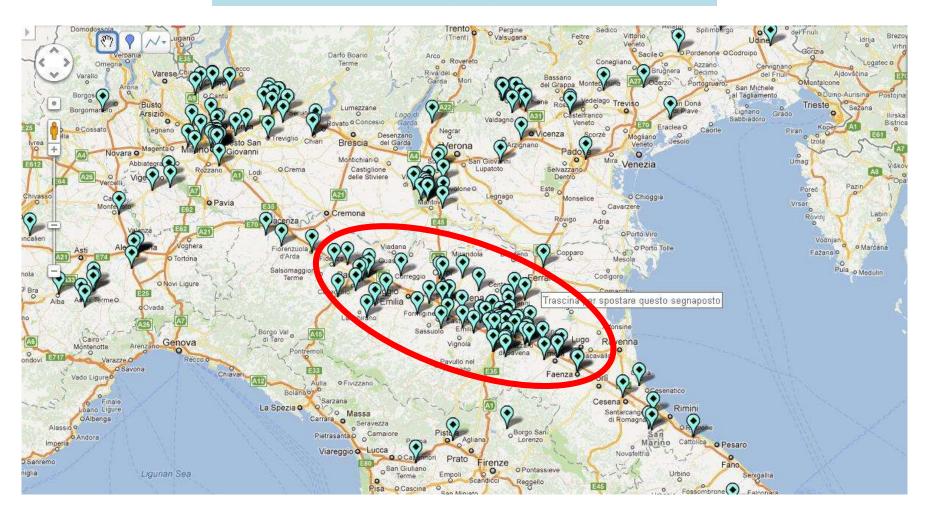






Source: compiled by Fondazione Edison on UN Comtrade Database

#### The Italian Packaging Valley of Emilia



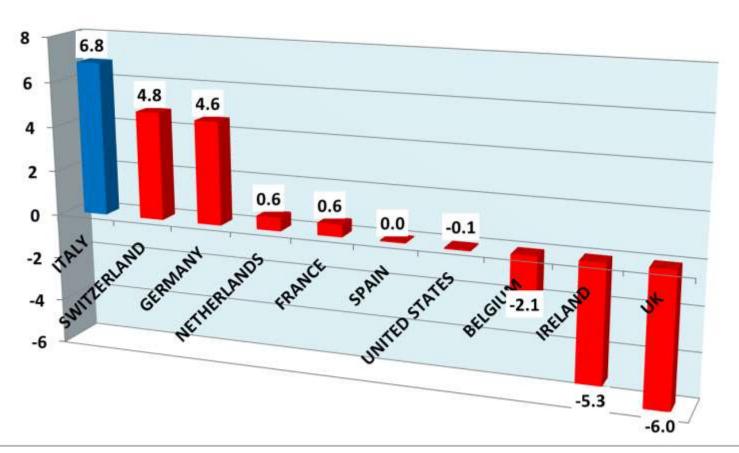
#### The German Packaging Valley of Baden-Württemberg



## EXPORTS OF MEDICAMENT MIXTURES PUT IN DOSAGE: ABSOLUTE CHANGE 2010-13

(Billion, US\$)

Sources: ITC calculations based on UN COMTRADE statistics







#### CONCLUDING REMARKS

Foreign demand is crucial to support economic systems and employment levels. The Italian productive system has proved its ability to contribute to international trade, the first driver of global growth.

This is the result of the dynamism of our companies, the excellence of our manufacturing industry, and a general and pervasive expertise.

Moreover, with the aim to stimulate prospects for growth and the competitiveness of enterprises, the Italian Government has recently approved a number of reforms aimed to enhance the pro-business environment in taxes, bureaucracy, justice, the energy market and employment.

This shows Italy's ability to address global economic competition, by seizing new opportunities and achieving success in emerging markets.



# THE EXTRAORDINARY COMMONPLACE



