

Global mechanical engineering

A considerable uncertain time

CETOP Meeting

online, March 17th 2022

www.vdma.org

Part 1

Data for year 2021 and the situation
before the Russian invasion of Ukraine

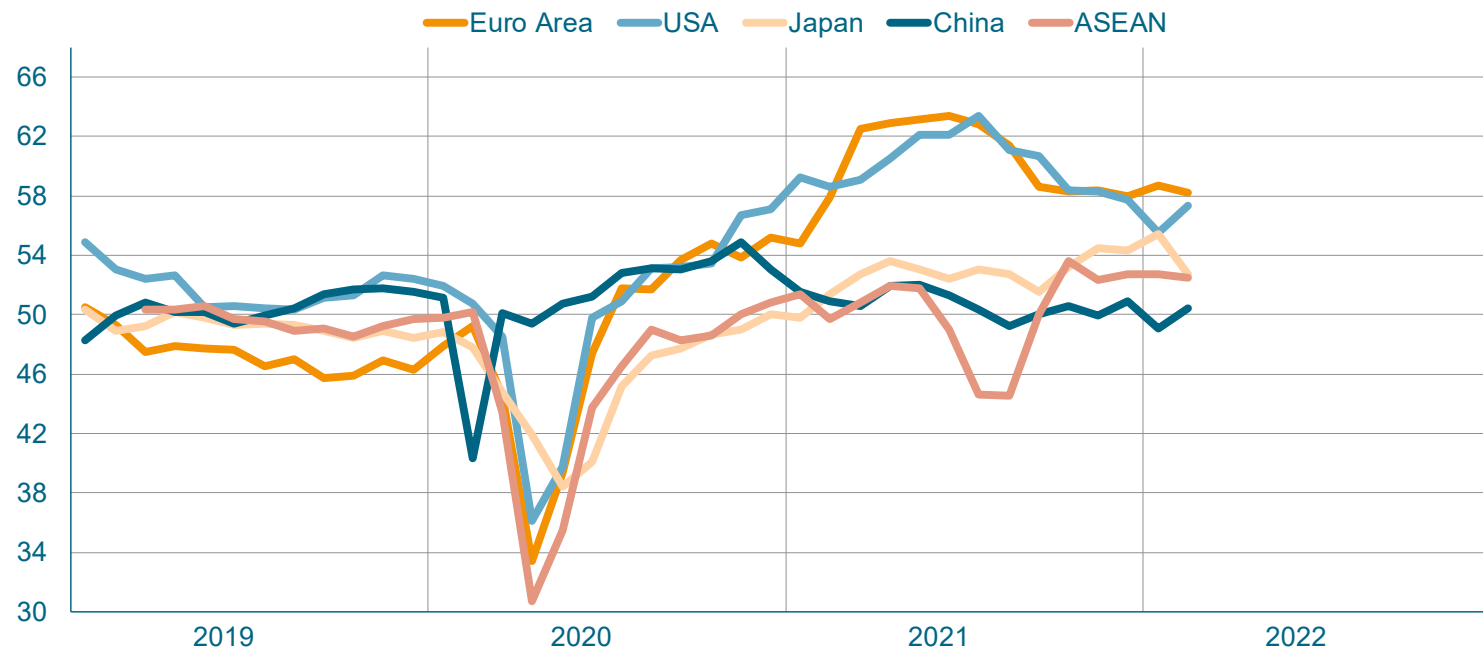


Shutterstock

PMI Manufacturing



Indices (50 = no changes)

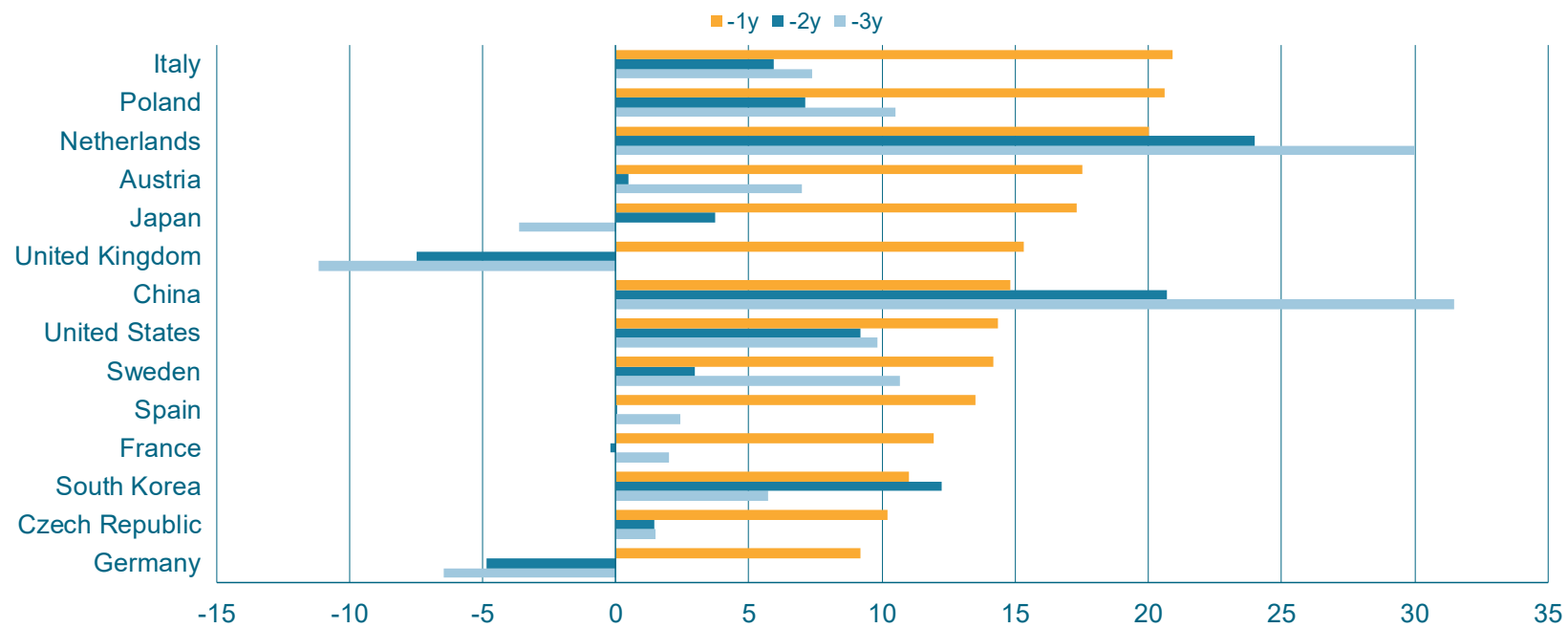


Source: IHS-Markit, Macrobond, VDMA

Machinery turnover compared with different previous years



January - December 2021 to same period in previous years, %, values

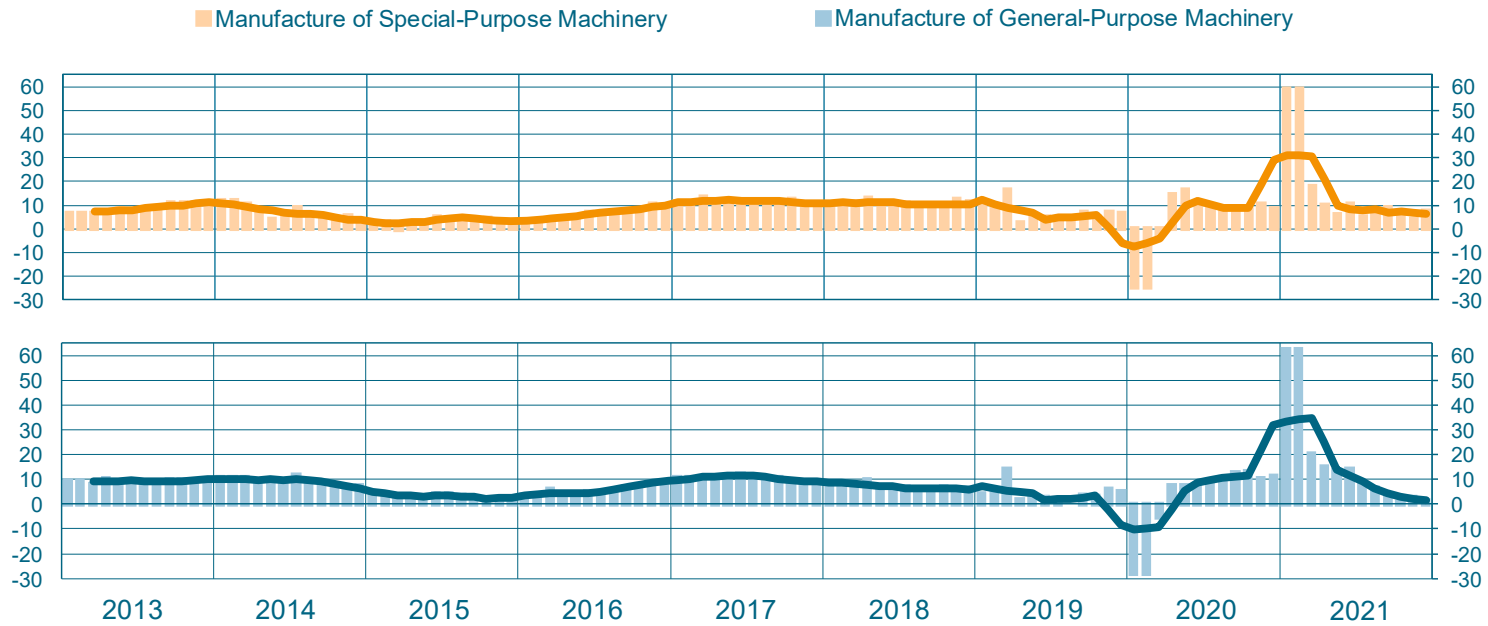


Source: Eurostat, Nat. Statistics, Macrobond, VDMA

China: Industrial production by sectors



Real, yoy, %



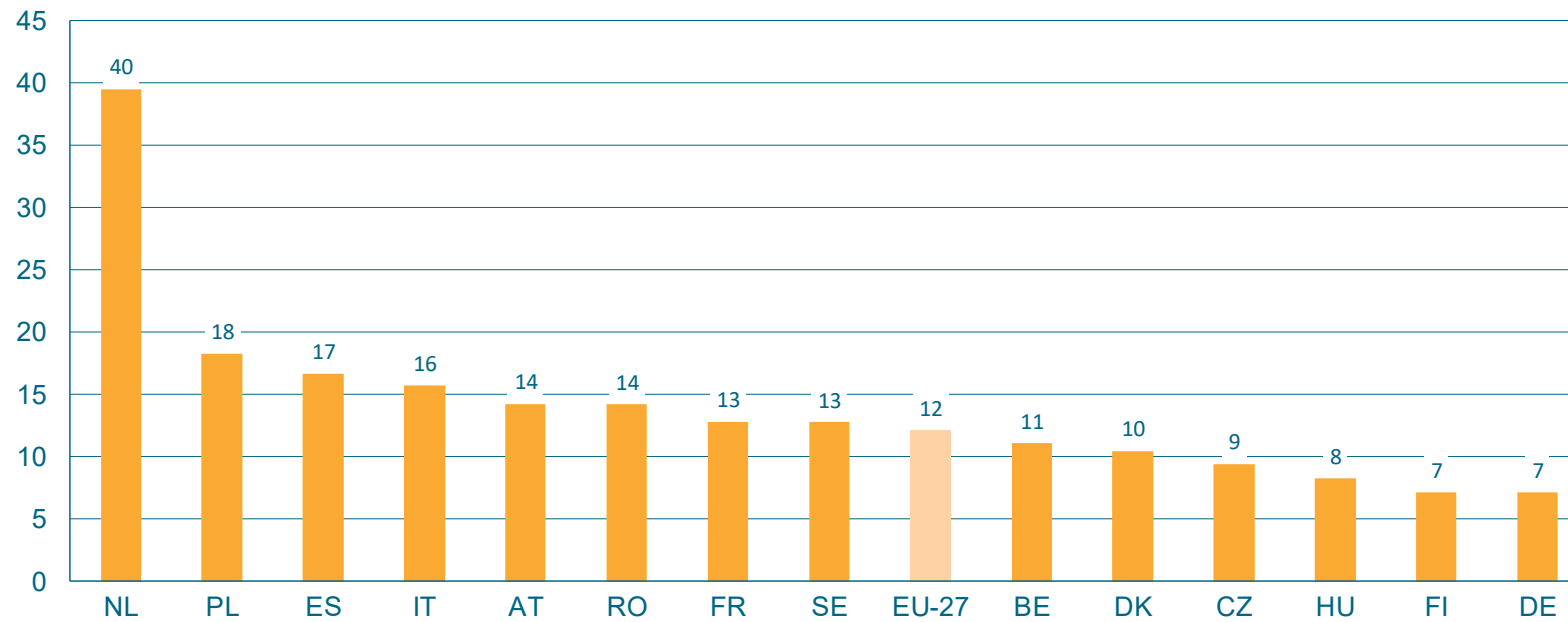
Source: NBS, Macrobond, VDMA

5-month moving average

EU-27: Production* in mechanical engineering



January - December 2021/2020, %, real, calendar adjusted

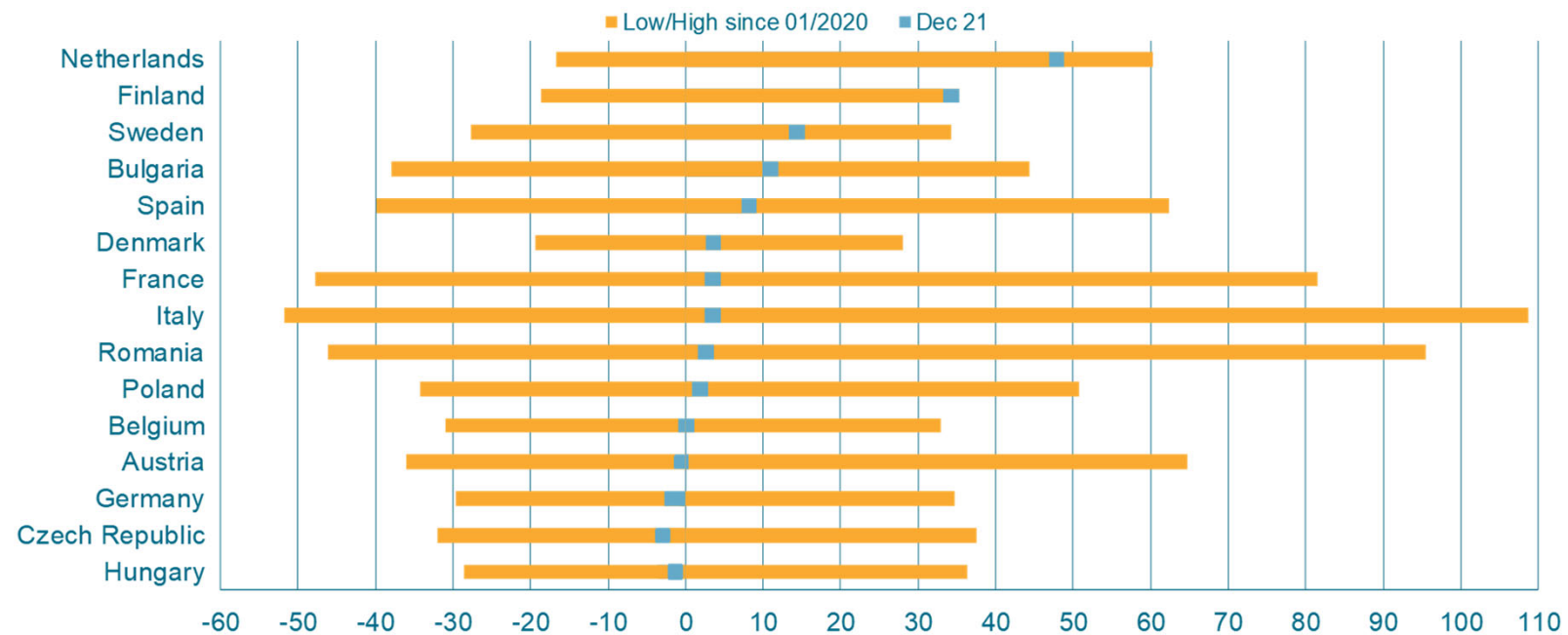


Source: Eurostat, Macrobond, VDMA

*) NACE rev. 2 code 28.

EU countries: Increases and decreases in machinery production since January 2020

Real, seasonal and calendar adjusted, %, yoy



Source: Eurostat, Macrobond, VDMA

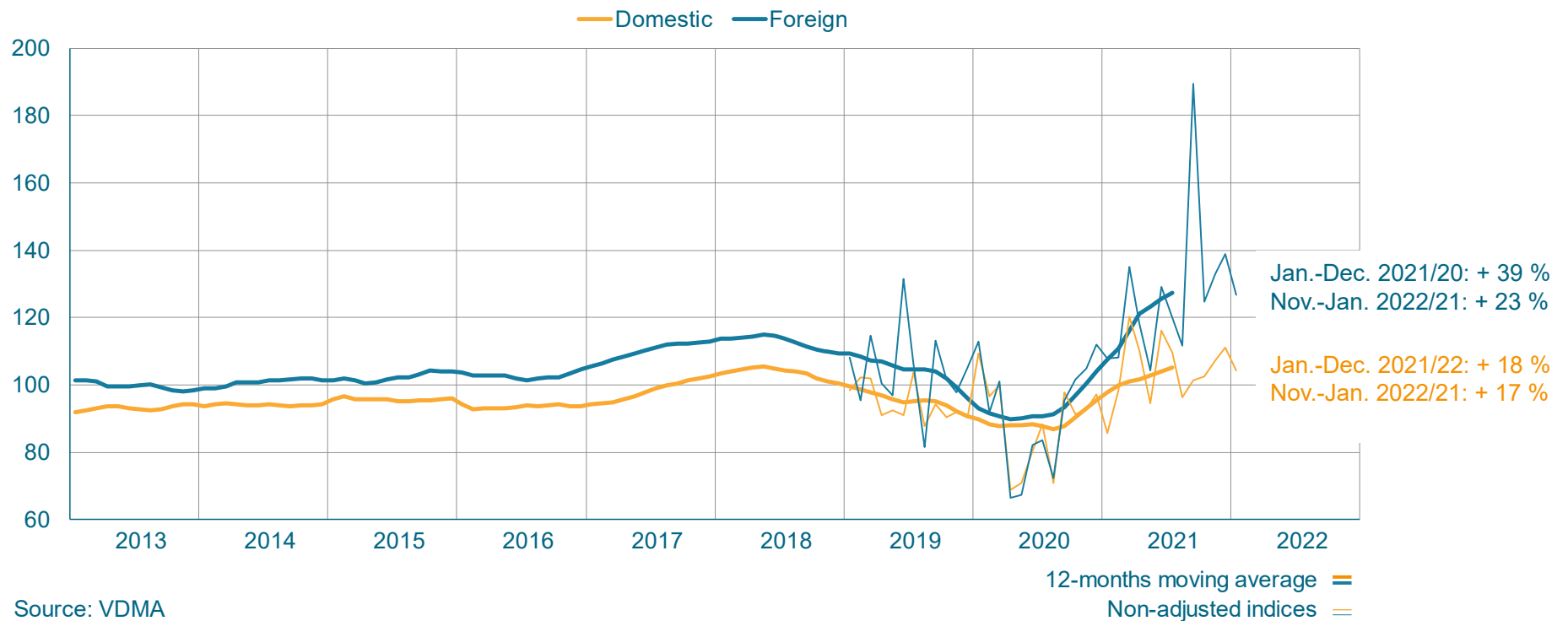
*) NACE rev.2 chapter 28.

Germany: Incoming orders in mechanical engineering

Domestic and Foreign



Volume index 2015 = 100

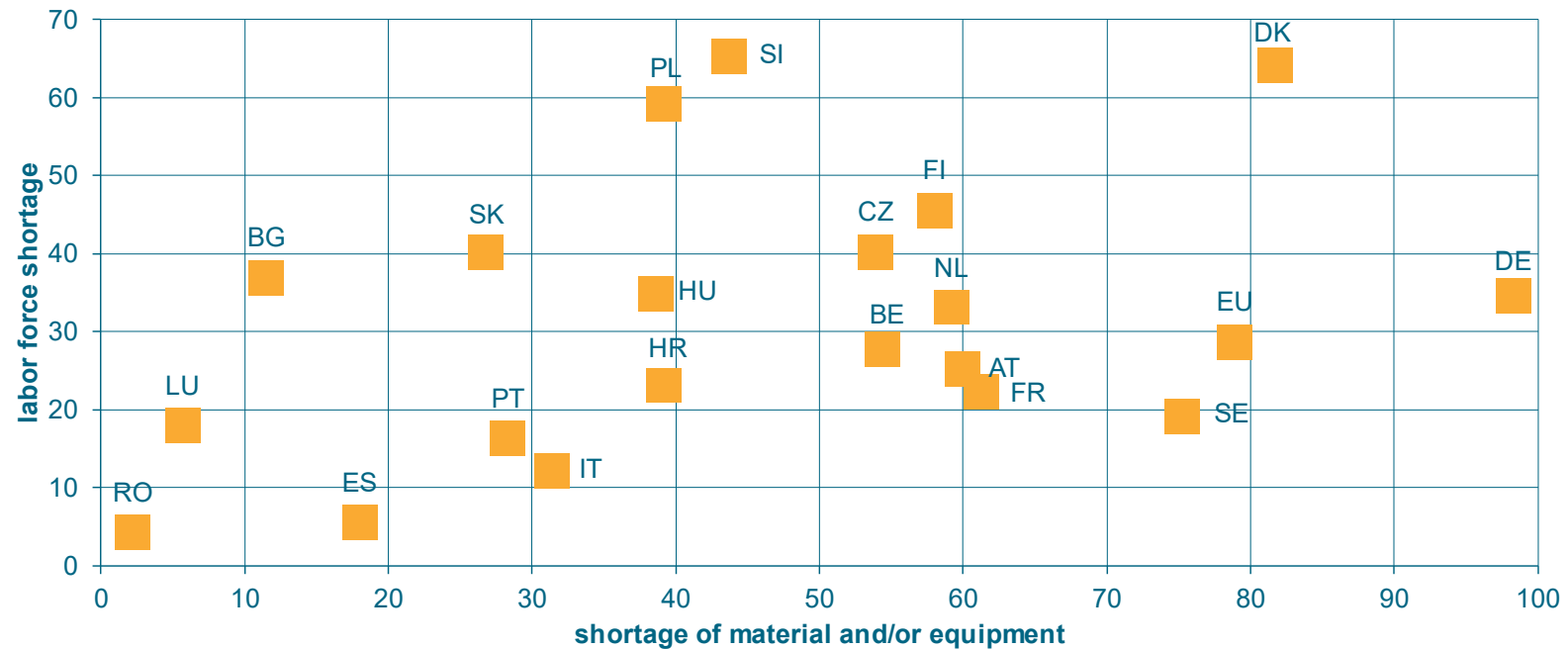


Source: VDMA

EU machinery industry: material/equipment and labour shortages – Q1 2022



% of businesses reported in January 2022 limiting factors of production through ...



Source: EU Commission, Macrobond, VDMA

Part 2

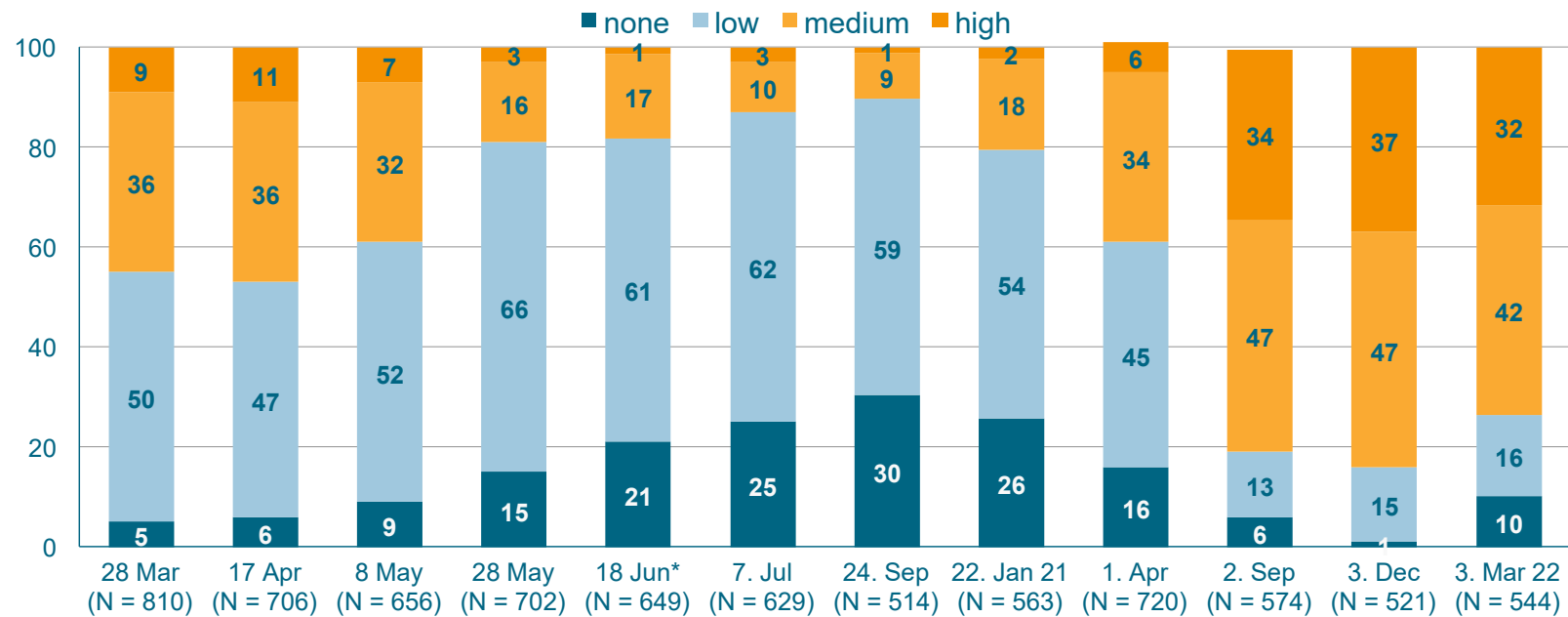
Impact of the conflict on our industry



VDMA members: Disruptions in the supply chains



in percent of the evaluable answers



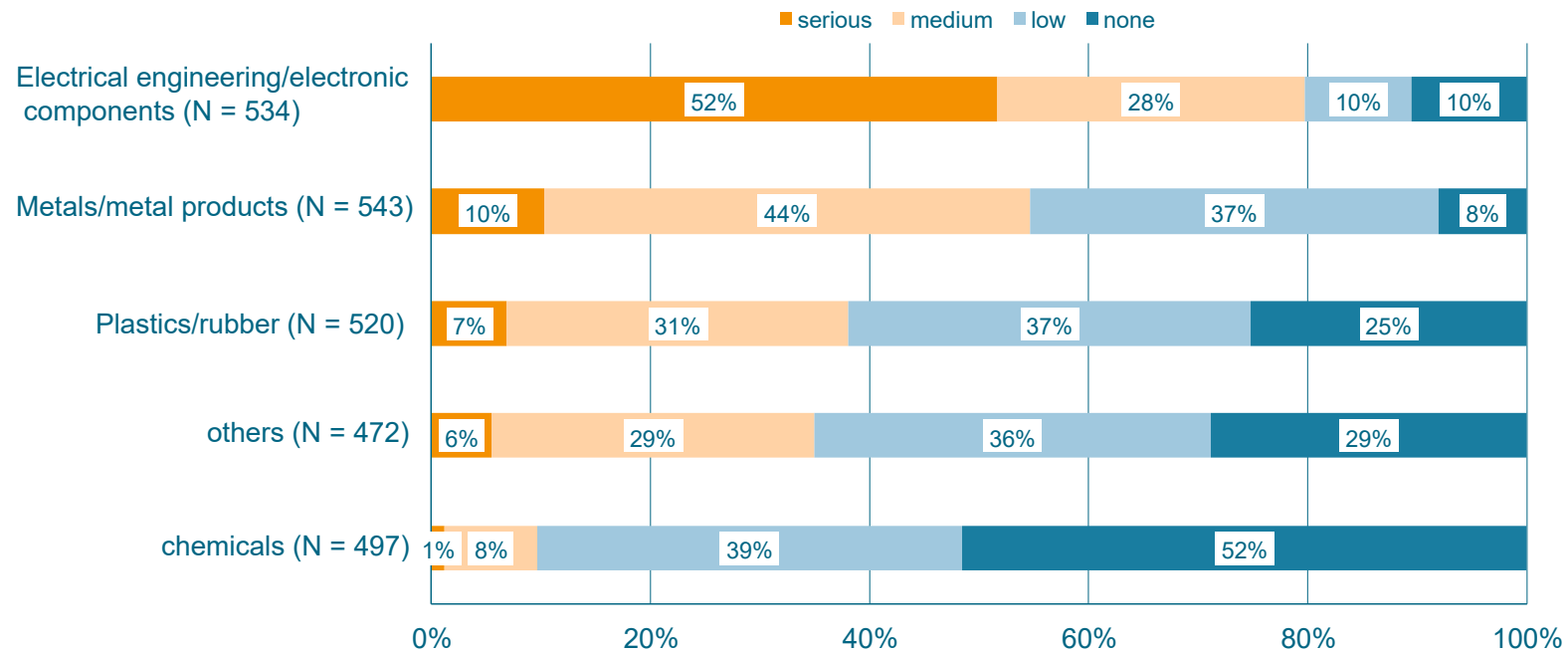
*limited comparability with previous surveys due to changed questioning

Source: VDMA, flash surveys, March 2020 to March 2022

VDMA members: Supply bottlenecks



Shares

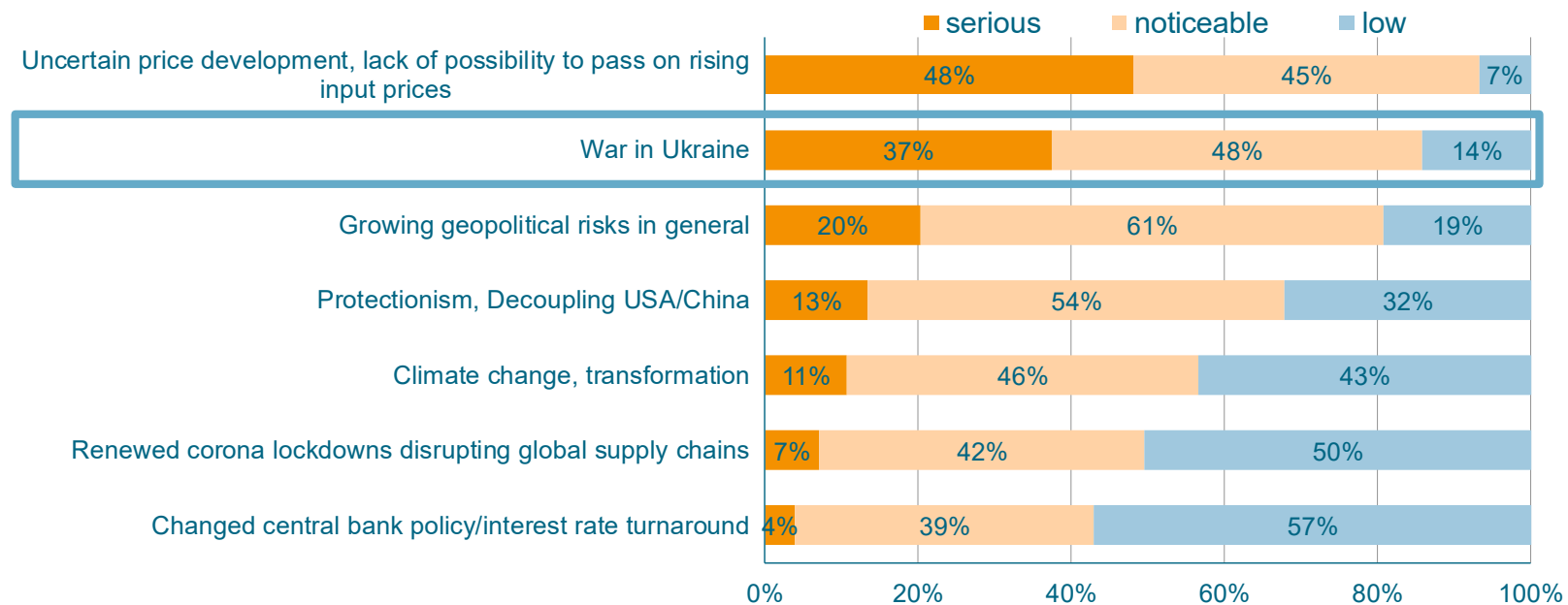


Source: VDMA, 13th flash survey, 3 March 2022

VDMA members perspective: Current Risks



Evaluable answers

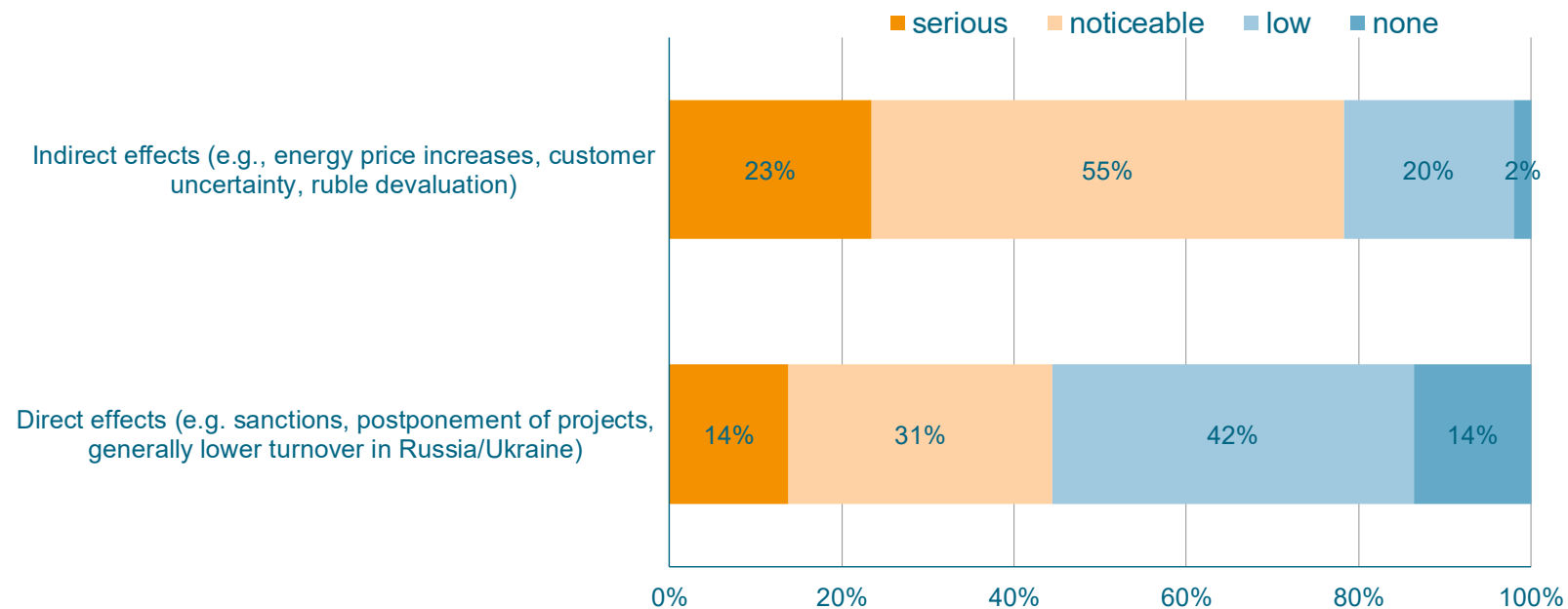


Source: VDMA, 13 flash survey, 3 March 2022

VDMA members: Influence of the Ukraine war on business



Evaluable answers (N = 542)

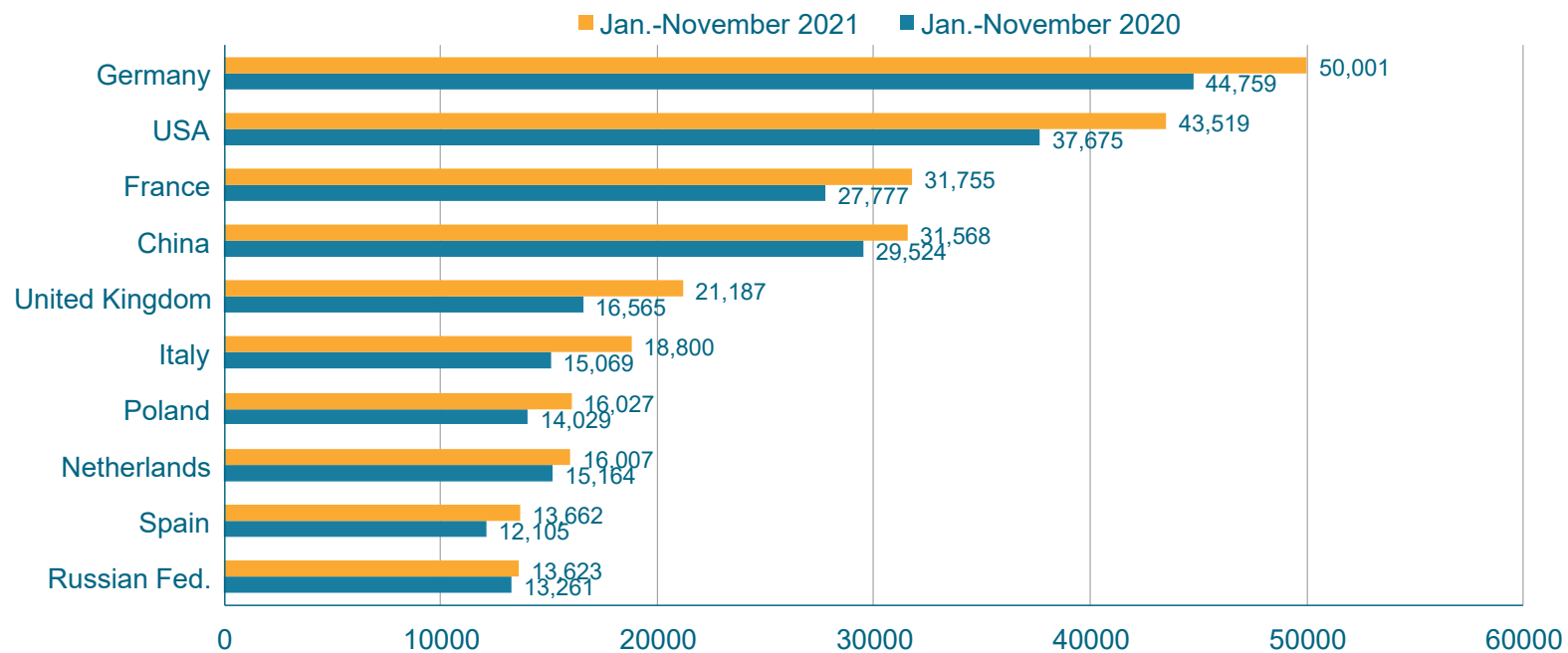


Source: VDMA, 13 flash survey, 3 March 2022

EU: Machinery exports to the top 10 countries (Jan. to Nov.)

Russia on rank 4 in extra-EU trade

m EUR

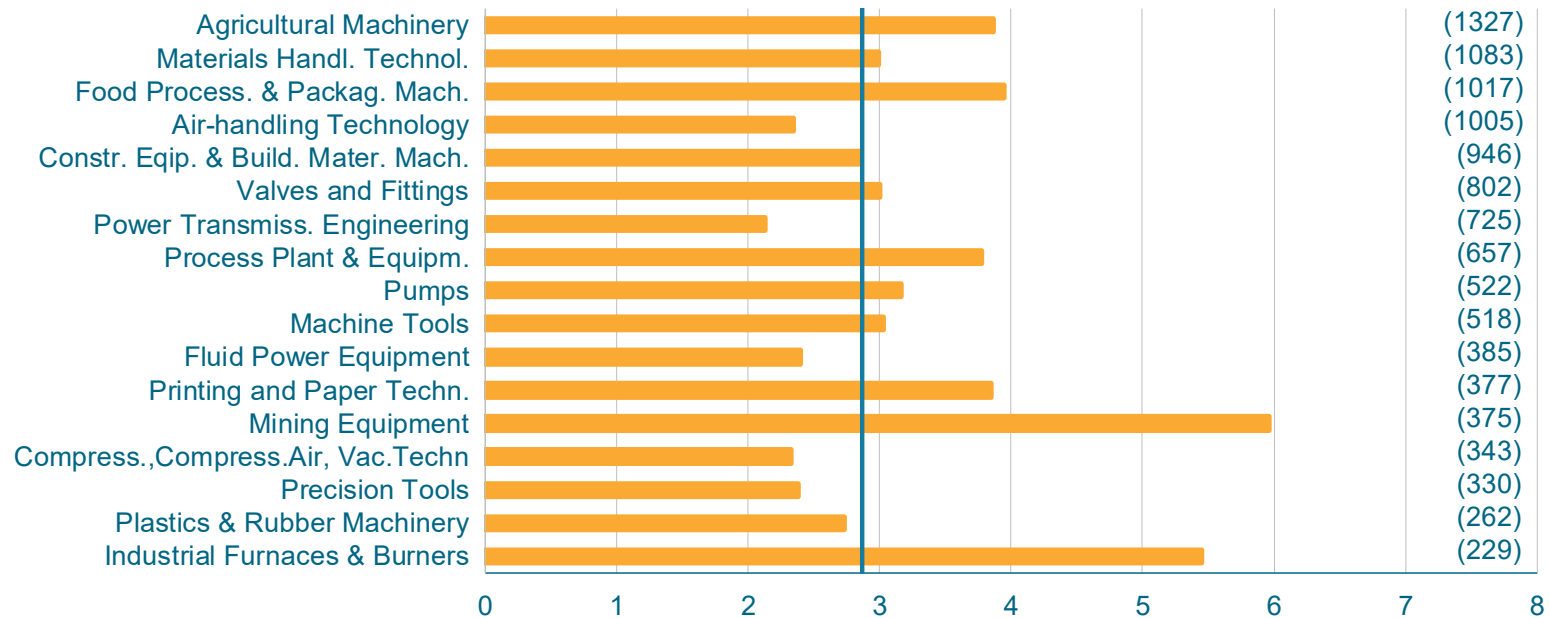


Source: Eurostat, VDMA

EU machinery exports to Russian Federation for main sectors



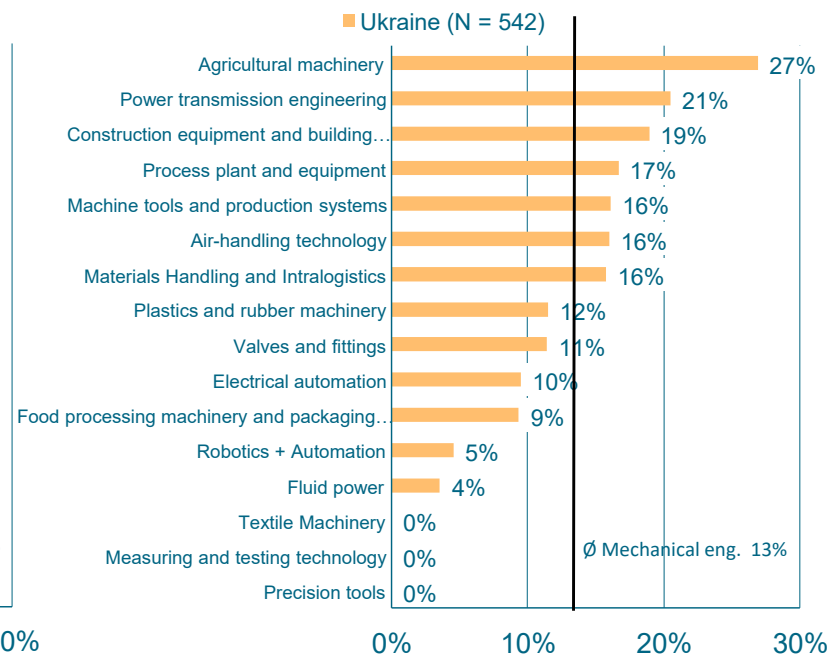
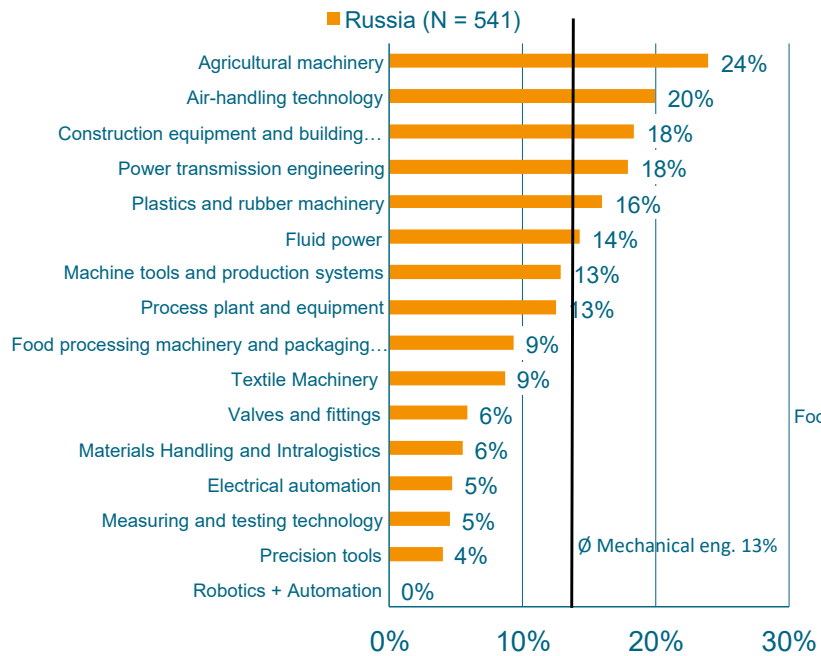
Russian share in % of total EU sector exports, Jan.-November 2021 (EU exports to Russian Fed. in m EUR)



Source: Federal Stat. Office Germany, Eurostat, VDMA

VDMA members: Share of critical inputs/raw materials from Russia / Ukraine

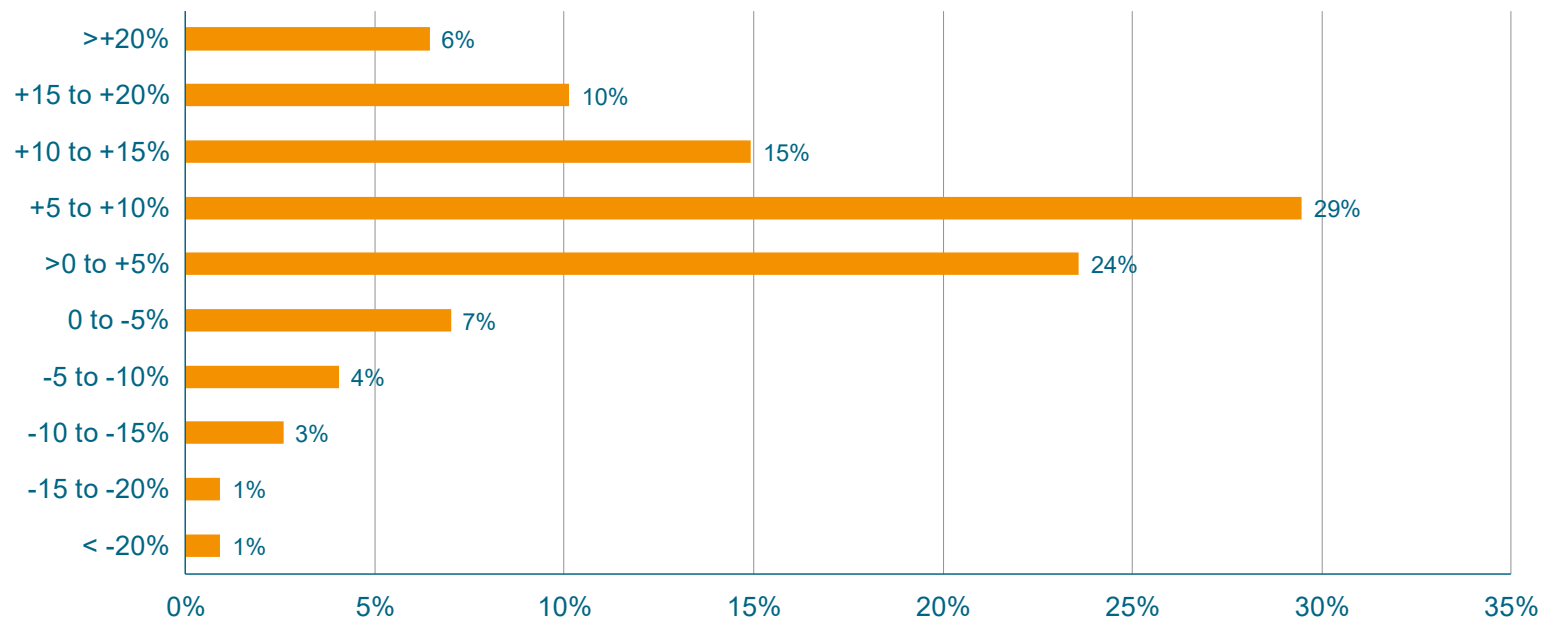
Share of answers



Source: VDMA, 13 flash survey, 3 March 2022

Mechanical engineering: Expected turnover growth 2022 (prior-year comparison)

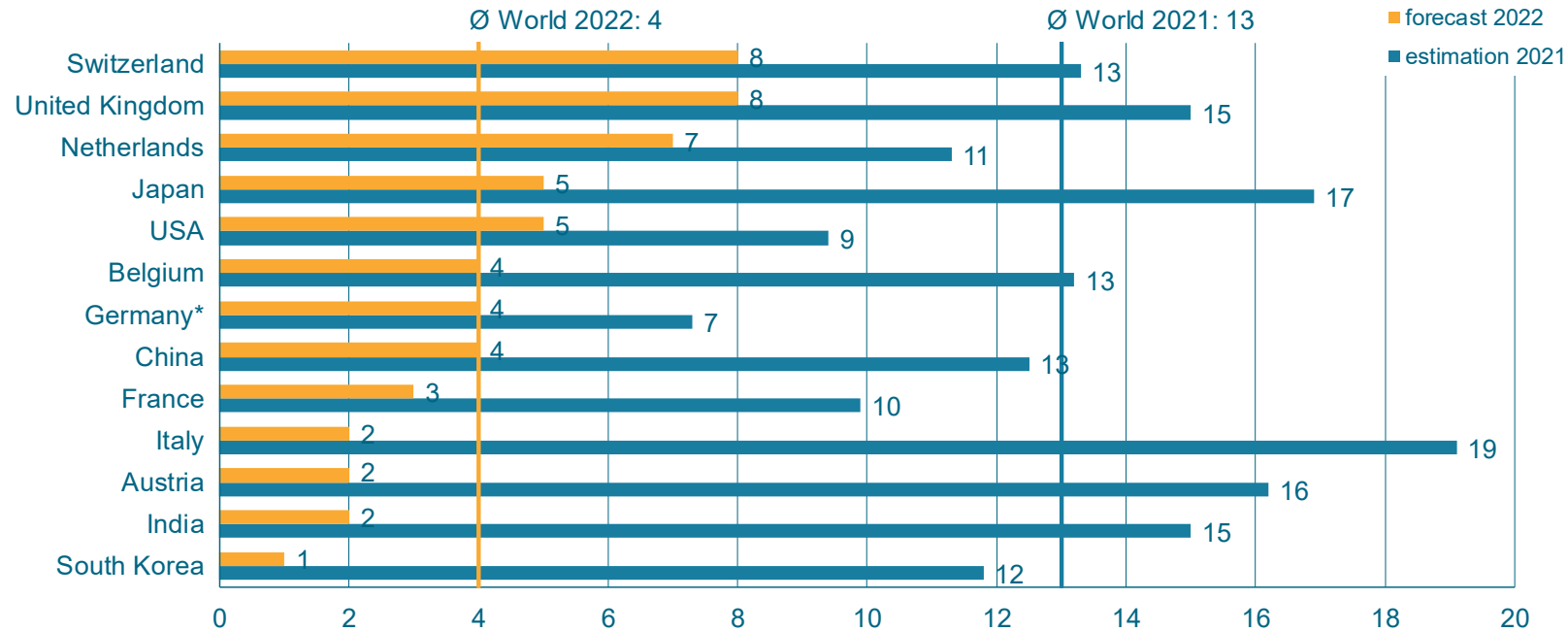
Evaluable Responses (N = 543)



Source: VDMA, 13th flash survey, 3 March 2022

Mechanical engineering: Turnover according to Oxford Economics baseline forecast

%, yoy, volume



*) VDMA forecast.

Source: Eurostat, National Statistics, Oxford Economics, VDMA (March 2022)



Your contact.



Anke Uhlig

**VDMA Economics and Statistics
Lyoner Str. 18
60528 Frankfurt, Germany**

**Phone +49 69 6603-1388
Email anke.uhlig@vdma.org**