

THE 10 LARGEST MACHINE TOOLS IN THE WORLD

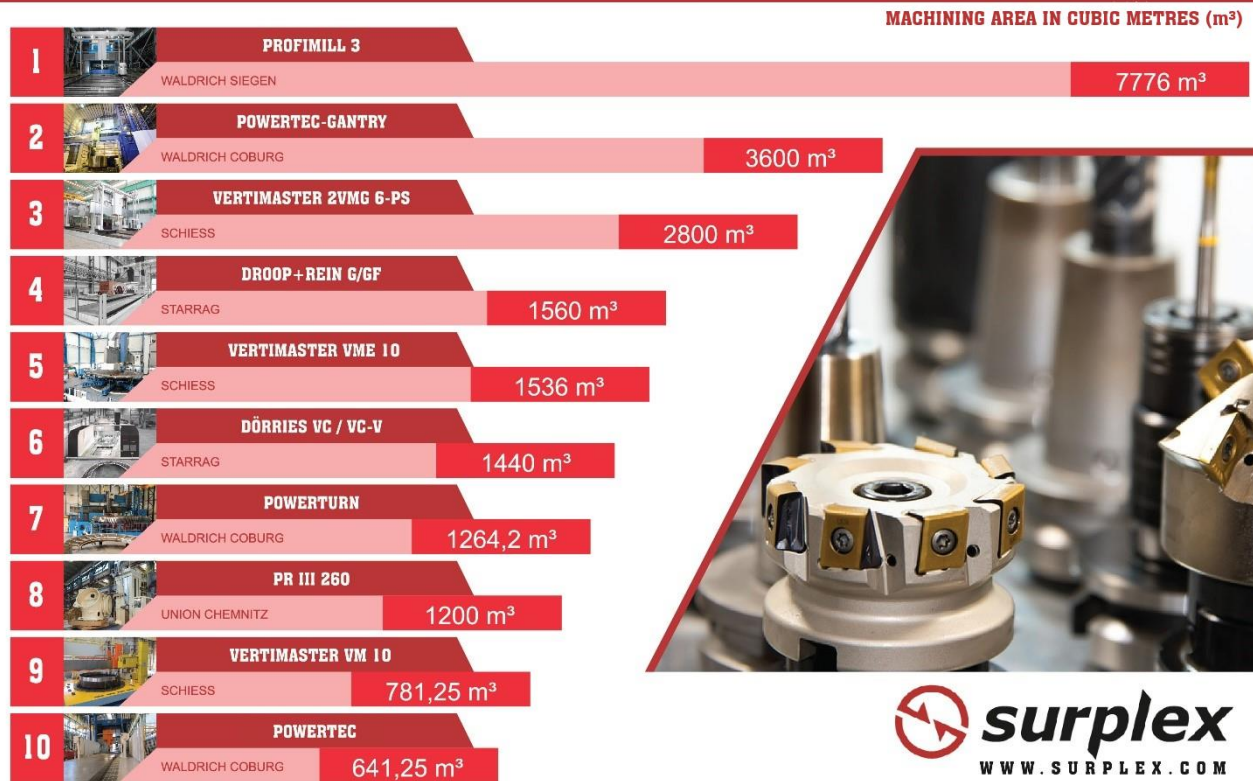


Image gallery: The 10 largest machine tools in the world

The giants of industry – The 10 largest machine tools in the world

Do you have a thing for machine tools? If so, you need to check out the world's 10 largest machine tools shown in this image gallery put together by Surplex. Simply click on each image for a better look and enjoy.

This image gallery features everything from portal milling machines to machining centres. At the top of the list are machines produced by leading machine tool manufacturers like Waldrich Coburg GmbH, UNION Werkzeugmaschinen GmbH Chemnitz and Starrag Group.

This includes Waldrich Coburg's PowerTec, a very powerful portal machining centre with a machining area of 641.25m³. This roughly corresponds to the amount of fuel held by three Jumbo Jets (Boeing 747-400) or eight buses.

Caution - spoiler alert: The largest machine tool in the world is the gantry version of WaldrichSiegen Profimill 3, which has a machining area of 7,776m³. This is about the size of 32 apartments with 2.4-metre high ceilings and a living space of 100 m² each.

For a closer look at these giants and a number of other impressive machine tools, take a look at our image gallery. Enjoy!

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The whole gallery:

<https://www.surplex.net/en/largest-machine-tools/>

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Image sources & ranking:

1. Profimill 3, gantry version // Waldrich Siegen (7776 m³)
➔ Image source: Waldrich Siegen
2. Powertec gantry // Waldrich Coburg (3600 m³)
➔ Image source: Waldrich Coburg
3. Vertimaster 2VMG 6-PS // Schiess GmbH (2800 m³)
➔ Image source: Schiess GmbH
4. Droop+Rein G/GF // Starrag Group (1560 m³)
➔ Image source: Starrag Group
5. Vertimaster VME 10 (single column) // Schiess GmbH (1536 m³)
➔ Image source: Schiess GmbH
6. Dörries VC / VC-V // Starrag Group (1440 m³)
➔ Image source: Starrag Group
7. Powerturn // Waldrich Coburg (1264.2 m³)
➔ Image source: Waldrich Coburg
8. PR III 260 // UnionChemnitz (1200 m³)
➔ Image source: UnionChemnitz
9. Vertimaster VM 10 (double column) // Schiess GmbH (781,25 m³)

→ Image source: Schiess GmbH

10. Powertec // Waldrich Coburg (641.25 m³)

→ Image source: Waldrich Coburg

Note: Machining area in cubic metres (m³).

Image captions:

Number 10: The tenth largest machine tool in the world is another Waldrich Coburg machine. This time it's Waldrich Coburg's Powertec which has a clamping length of 30 metres and milling width of 4.5 metres, which means that it has a machining area of 641.25 m³.

Number 9: Number 9 is the double column turning/milling machine Vertimaster VM 10" from Schiess. It can be moved 12.5 metres along its X- and Y-axis and 5 metres along its Z-axis, which gives it a machining area of 781.25 m³.

Number 8: The eighth largest of the world's biggest machine tools is UnionChemnitz's PR III 260 horizontal boring mill. This mill is equipped with a floor plate that has been specifically designed for machining large workpieces. As such, its x-axis is capable of travelling 40 metres, its Y-axis 10 metres and its W+Z axis 3 metres. This means that it has a machining area of 1200 m³.

Number 7: Number 7 is another machine tool from Waldrich Coburg, and this time it's the vertical Powerturn machining centre. This is designed for machining extremely large workpieces with an extremely high level of precision. The Powerturn has a machining area of 1264.2 m³. This has a swing diameter of 14 metres, a turning height of 6.5 metres and a turning table diameter of 8 metres.

Number 6: A definite giant, the Dörries VC / VC-V from Starrag comes sits in sixth place. It has a machining diameter of 12 metres and both a table diameter and turning height of 10 metres – which makes its machining area a total of 1440 m³.

Number 5: Schiess' Vertimaster VME 10 is another veritable giant and ranks fifth. This huge multifunctional single-column turning/milling machine has a diameter of up to 20 metres and can be used for a wide range of turning, drilling and milling processes at once. The Vertimaster VME 10's huge machining area of 1536 m³ speaks for itself.

Number 4: Fourth place goes to the Droop+Rein G/GF from Starrag, a global technology leader in manufacturing high-precision machine tools. Droop+Rein G/GF more than deserves its place among the largest machine tools in the world and has a machining area of 1560 m³.

Number 3: The third largest of our top ten is Schiess's Vertimaster 2VMG 6-PS. This double gantry portal turning and milling centre has a machining area of 2,800 m³. This means that the X-axis can travel 50 metres, the Y-axis 8 metres and the Z-axis 7 metres.

Number 2: Waldrich Coburg's Powertec gantry portal machining centre is yet another giant. Its 3600 m³ machining area makes this the second largest among the top 10 largest machine tools in the world. It has a clamping length of 36 metres, a milling width of 10 metres and a clearance height of 10 metres.

Number 1: The largest of the giants! The largest of these giants and sitting at number one is the gantry version of WaldrichSiegen's Profimill 3 portal milling machine, which has a machining area of 7,776 m³ and is consequently the largest machine tool in the world.