## MARUSENKO SPHERE DESCRIPTION

A 3D rotational and sequential spheric puzzle, **Designed**, **Engineered** and **Manufactured** with **100% European Quality**. During the assembling process, no glue nor any metallic element such as springs, screws or washers are used. Actually, all of its 54 pieces are built with high quality and 100 % recyclable plastic. New, original, quiet and well defined movements, with the guarantee of a longwearing product. Surface of the Marusenko sphere has 24 triangles (arranged in 6 poles) and 8 stars (leaving a total of 32 moving pieces). Its 2,279,626,699,712,199,018,518,937,600,000 positions (around 2.3x10<sup>30</sup>) and all of its potencial color configuration led us to present the sphere in 5 different designs, offering different levels of creativity and complexity. We hope that this challenge will be to your liking and we sincerely appreciate your purchase.

## Standard Method Summary:

We solve the sphere from North to South through the following steps:

- 1.-Learn basic skills for sphere movements and orientation: North Pole and Front Pole.
- 2.-Learn how to bring a triangle to the Front Pole: aux. step, previous to solve North Pole
- 3.-Solve the 1st pole in **blue**, viewing this pole as our North Pole.
- 4.-Solve the 2<sup>nd</sup> pole: select-orient another unsolved pole as a North Pole and solve it in 4

orange triangles. Important: We'll always view as the Front Pole any unsolved pole.
5.-Solve the rest of the three remaining Side Poles. repeat Step #4 for each one of them.
Logically the pole n° 6 will be atomatically solved.

STEP #1: Orient the Sphere: decide the North Pole and Frontal Pole.

**Tutorial Level 2** 

Circular Sphere

The circular sphere represents level 2 among the 5 levels that Marusenko offers to the market. This method is not unique nor the fastest one but it is an step-by-step approach in order to solve the sphere from any of its 135.277.941.853.080 ( $1.4 \times 10^{14}$ ) possible positions. In this sample we will solve firstly he North Pole in blue, then Front Pole in orange, Rigth Pole in green, Back Pole in yellow and Left Pole in pink. South Pole will be automatically be solved in red colour.

After this first contact with this standard method, you will soon come up with your own trick and shortcuts, which leads to your own fast and smart solution.





## STEP #5 Solve the remaining 3 Side Poles:

Repeat **Step #4** for the remaining unsolved 3 Side Poles. **Remember** that the Pole you will be watching as North Pole is the one to be solved and **remain also** that the pole you will be watching as Front Pole should be the oposit-antipode of the Blue Pole (the one we resolved in the **Step #3**).Once the last Side Pole is solved, the "South Pole" will have been automatically solved.



OTHER SOLUTIONS



## MARUSENKO GUARANTEE: 100 % guaranteed product:

2 years guarantee guarantee (Navarra) SPAIN Patented Product:



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