

The CNB issues a silver 500 kroner coin with the Albatros locomotive, followed by Jawa

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According to CNB, the special effects create the illusion of flying sparks from the locomotive and the impression of wheel movement on the coin.

The Czech National Bank (CNB) is launching coins as part of the new “Famous Means of Transport” series. The first in the series is a coin with a hologram of a class 498 steam locomotive, made by the Pilsen-based Škoda, nicknamed Albatros. It will be available in stores from Wednesday.

The Albatros locomotive is considered to be the most beautiful Czechoslovak steam locomotive of the post-war period. *“It was founded after the Second World War on the basis of a study by the academic painter Vilém Kreibich and is characterized by the use of newly acquired knowledge in the field of construction and technology, which makes it the pride of our engineers and design.”*

; specified by the CNB.

The coin with the albatross will be presented to the public on Saturday in the Czech Railway Museum in Lužná near Rakovník by CNB governor Jiří Rusnok, where the real albatross (the so-called zero series 498.022) can also be seen. It has been out of service since 2011. *“Interestingly, almost every stamp needed to create a hologram was only used once to ensure excellent quality.”* introduced to the coin Rusnok.

A total of five modes of transport appear on the coins, which the CNB has described as iconic. Another issue of a silver commemorative coin with a face value of 500 crowns from the Famous Means of Transport series is provisionally planned for June 2022. It will be a coin with a Jawa 250 motorcycle motif

with colored elements.

Locomotive 498.022 Albatros. Author: Lukáš Kalista – Own work, CC BY-SA 3.0,
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Coins with the Albatross locomotive. Source: CNB

Louny Albatros 498.112. Source: Czech Railways

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About the coin with the albatross (Source: CNB)

The commemorative silver 500 crown with hologram is stamped from an alloy containing 925 parts silver and 75 parts copper. The coin has a weight of 25 g, a diameter of 40 mm and a thickness of 2.6 mm. It is issued in two versions – in standard quality with a knurled edge in a quantity of 5,700 pieces and in top quality (proof) with a highly polished coin field, matt relief and a smooth edge with a frieze in a quantity of 12,000 pieces. The author of the coin is the medalist Asamat Baltaev.

The image of the locomotive is created by an embossed hologram. A total of six special effects were used on the hologram of the Albatros locomotive – from simpler holographic motifs to advanced and globally unique optical effects. One of them is, for example, the so-called full 3D effect, which is used on a coin in the space of the tunnel from which the locomotive leaves. Thanks to this effect, the image on the coin creates the illusion that sparks are flying away from the locomotive. The so-called the wrong animation then uses the kinetic effect to give the impression of a wheel movement.

The hologram is made up of several different types of nanostructures that controllably reflect and bend incident light to create the illusion of a desired image.

The face value of the 500 CZK coin does not correspond to the sales price (the CNB does not state this, editor's note). It is higher and takes into account, among other things, the current silver price, production costs and VAT. The coin can be obtained from selected contractual partners.

“If you look at the locomotive, you see a relief that protrudes over the surface of the coin, you actually feel like you're in a normal coinage. But when you touch the locomotive, you don't feel anything, no plasticity, no relief, the surface is completely smooth. In combination with holographic rotation developments on the wheels of the locomotive, an attractive composition is created that is reminiscent of a real locomotive in motion. said Robert Dvořák, CEO and Business Development Director of IQ Structures, which developed and produced the hologram.

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