

## ***Trichodesma* (s.str.) *tricolor* sp. nov. - a new species from Oriental Region (Coleoptera: Bostrichoidea: Ptinidae)**

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**Taxonomy, new species, Coleoptera, Ptinidae, *Trichodesma*, Thailand, Oriental Region**

**Abstract.** *Trichodesma* (s.str.) *tricolor* sp. nov. from Thailand is described, illustrated and compared with related species.

### INTRODUCTION

The genus *Trichodesma* LeConte, 1861 belongs to the subfamily Anobiinae Fleming, 1821, tribe Nicobiini White, 1982. Tribe Nicobiini White, 1982 contains only three genera - *Anobiopsis* Fall, 1905 (one species from North America), *Nicobium* LeConte, 1861 (eight species from south Europe and neighbouring countries) and largest genus *Trichodesma* LeConte, 1861. This genus contain two subgenera - *Microtrichodesma* Pic, 1931 with one species from Vietnam, and nominal subgenera with 65 species from Afrotropical, Oriental, Palaearctic (only east part), Neotropical and Nearctic Regions, including three fossil species. Only nine species occur in Oriental Region - *T. cambodgensis* Pic, 1915 and *T. maculata* Pic, 1915 from Cambodia, *T. griseofasciata* Pic, 1937 from Sarawak, *T. innotata* Pic, 1943 from Burma, *T. multifasiculata* Pic, 1956 from Singapore, *T. multinotata* Pic, 1943 and *T. regalis* Pic, 1900 from India, *T. nigromaculata* Pic, 1900 from India and Burma, and *T. venusta* Lesne, 1902 from Sri Lanka.

### MATERIAL AND METHODS

I have studied original descriptions of all the Oriental species (Lesne 1932; Pic 1900, 1915, 1937, 1943, 1956) and also some identify material of this species.

The habitus photograph was made by a digital camera Olympus DP 72 on stereobinocular microscope Olympus SZX 16 using the programme Quick Photo Camera 2.3 and Deep Focus 3.0 for the modification of the picture.

The new species described here is provided with a red printed label showing the following word: "Holotype"; on the white printed label, there is the text: "*Trichodesma* (s.str.) / *tricolor* sp. n. / P. Zahradník det."

### RESULTS

#### ***Trichodesma* (s.str.) *tricolor* sp. nov.** (Figs. 1-3)

**Type material.** Holotype (♀): N THAILAND, h=494 m; Chiang Dao Hill Resort; 19°33'28.9" N, 99°4'33.3" E; 1.VII.2017 A. Prosvirov leg. Holotype deposited in the author's collection.

**Description.** Female (holotype): Elongate-elliptical, transversally slightly convex. Body length 5.0 mm, the greatest width 2.2 mm. Ratio elytra length : elytra width of 1.6.



Figs. 1-3. *Trichodesma* (s.str.) *tricolor* sp. n. 1- dorsal view; 2- lateral view; 3- pronotum.

Head evenly transversally convex, in anterior part shaped transversally deepened, shining, with large punctuation, diameter of puncture twice smaller than distance between them. Surface of head with two types of hairs - the first sparse, long erected, the second short dense recumbent or semirecumbent inclined mostly backward. Eyes large, globular, with sparse long erect hairs. Front 2.8 times wider than width of eye in dorsal view. Antennae filiform with antennal clubs. The 1<sup>st</sup> antennomere robust, twice longer than wide. The 2<sup>nd</sup> antennomere as long as wide, long as

the quarter of the 1<sup>st</sup>. The 3<sup>rd</sup> antennomere as long as the 2<sup>nd</sup>, but twice slimmer. Antennomeres 4<sup>th</sup> to 8<sup>th</sup> the same length, slightly transverse, 1.2 times wider than long. The 9<sup>th</sup> and 10<sup>th</sup> antennomere large, triangular, each the same length as 3<sup>rd</sup> to 8<sup>th</sup> together, 1.5 times longer than wide. The last antennomere missing on left antennae; on the right antennae missing the last two antennomeres. All antennomeres with sparse long erected hairs. The last segment of maxillary palpi spindelformis.

Pronotum transverse, ratio length : wide 0.6, the widest in the second third. Middle of pronotum with blunt bump. Lateral sides slightly flattened with small teeth on margin. Surface of pronotum with two types of hairs - the first sparse, long erected, the second short dense recumbent or semirecumbent, arranged into cross with centre in middle of pronotum, from yellow-orange hairs, anterior and lateral sides ending by white hairs; and with two small spots from white hairs nearly in posterior angles (Fig. 3). Scutellum small, as wide as long, almost squared shaped, with dense short white semierected hairs, inclined backward.

Elytra shortly oval, with distinct shoulders, shining, with large umbilicate puncture arranged to rows, surface between these rows wrinkled, with small puncture. Surface of elytra with two types of hairs - the first sparse, long erected, the second short dense recumbent or semirecumbent, arranged to each elytron with five distinct spots from white hairs - two in the middle of elytron, two in the second third (at both cases one spot in central part and one on lateral margin) and the last, largest, on apex of elytron (Figs. 1, 2).

**Male.** Unknown.

**Differential diagnosis.** This species differs from other species of Oriental species by presence of yellow-orange hairs on pronotum.

**Name derivation.** Derived from three different colour on body of this species - piceous, white and yellow-orange - tricolor.

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