TOPY News Release
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Topy Industries, Ltd.

Decision to Commence Sales of New Deformed Reinforcing Bar Product, the Compact Coil (Product name: TACoil)

— Drastically reducing storage costs and increasing processing efficiency —

Topy Industries Ltd. (head office: Shinagawa-ku Tokyo, CEO Nobuhiko Takamatsu, "Topy") has decided to launch a new product, a densely rolled compact coil of deformed reinforcing bar (product name: TACoil (tee-ay coil)). Topy Industries will invest approximately 5 billion yen to construct the production line and will acquire JIS G 3112, the Japanese Industrial Standard for bar steel for reinforced concrete. The release of the TACoil in three sizes, D10, D13 and D16, is scheduled for autumn 2018.

There are currently numerous ongoing projects being carried out nationwide, including construction works related to restoration from the Great East Japan Earthquake and the Tokyo Olympic and Paralympic Games, and urban redevelopment. Deformed reinforcing bars are used as structures for these construction works. However, the processing and assembly of the current deformed reinforcing bars require the resolution of problems such as the need to reduce storage costs, process loss and improve processing efficiency due to a lack of skilled reinforcing bar placers.

The TACoil to be launched by Topy Industries is a deformed reinforcing bar coil that is so densely coiled that its outer diameter is approximately 1,200 mm. As it can be stacked vertically, it requires only one third of the storage space of straight bars. In addition, the product is approximately 2,000 m long (in the case of the D13, 2 tons), while a straight bar is usually a maximum of 12 m long. This enables a

Photo: Product sample

reduction in the setup time and also a reduction in the process loss by using the NC machine, which allows any product length to be selected, and the automation of bending and cutting work will drastically improve processing efficiency. Because it has less torsion than the bar in coils for reinforcing that are currently distributed in Japan, and since the bars are densely coiled, this improves the products' processing efficiency, storage efficiency and transport efficiency.

Topy Industries is currently implementing its Medium-Term Consolidated Management Plan: Growth & Change 2018 (G&C 2018). The launch of the TACoil forms part of the extension of the product group that utilizes stand-alone technology, which is one of the measures in G&C 2018. While producing the existing bar steel products in its steel business, Topy Industries will meet a wide variety of customer needs by establishing a stable supply system for the TACoil.

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[Reference]

1. Summary of compact coil

1) Product name: TACoil (tee-ay coil; Trademark application pending)

2) Sizes: D10, D13, D16

3) Outline dimensions, etc.

Outer diameter	Height	Length	Weight
1,100-1,300 mm	500 mm	D10 1,800 m D13 1,000 m D16 640 m	1 ton (to be launched in autumn 2018)
	800 mm	D10 3,600 m D13 2,000 m D16 1,280 m	2 tons (to be launched in autumn 2019)

4) Features

(1) As it is highly dense and compact, it saves storage space. It also offers high transport efficiency.

(2) Combined with the NC machine, it drastically increases the thin size processing efficiency and resolves labor shortages.

(3) Capable of minimizing the loss generated during the process and increasing the yield rate

(4) Adopts diagonal ribs in consideration of compatibility with NC machines

(5) Even when the bar is drawn and used as a straight bar, it maintains the same performance as the existing deformed reinforcing bar.

2. Summary of TACoil production line

1) Location: 1 Akemi-cho, Toyohashi-shi, Aichi (Topy Industries Ltd. Toyohashi Factory, bar steel plant)

2) Amount of investment: Approximately 5 billion yen

3) New facilities: Buildings and crane facilities, rolling facilities, spooler facilities, water processing facilities, distribution facilities

4) To commence operation in autumn 2018 (scheduled)