PRODUCTION OF COPY POWDER AND PRINTER INK

For the first time in the country, photocopy powder and laser printer ink were produced at Amirkabir University of Technology


The public relations office of Amirkabir University of Technology reported that for the first time in the country, one of the researchers of this university succeeded to make this industrial product from the raw materials available in the country.

“I decided to conduct this research because of increasing need of the country to these materials and the large amount of foreign currency outflow involved in it,” Mr. Hamed Shadpour, Engineer, the researcher of this project said. He added, “Advanced countries produce photocopy powder and magnetic recording tapes or diskettes by ceramic methods. However, those methods are too costly since the required temperature is near 1,000°C and as a result, the products will be expensive. Here, we succeeded to decrease the reaction temperature to below 100°C by proposing a novel method; therefor, the products are produced with less cost and higher quality.”

This young researcher added, “Using this new method, with a low cost, one might use the raw materials which are found in many regions in the country in support of manufacturing of many good such as photocopy and laser printers’ ink and cartridges, magnetic recording tools, anti-corrosion coatings, etc.” Mr. Shadpour, Engineer, remarked that a considerable amount of foreign currency outflow is involved for supplying each one of the above maintained items while in case of availability of budget and resources for commercial manufacturing, we will be able to offer products with higher quality and lower costs than the foreign alternatives.

This project was completed at Amirkabir University of Technology under supervision of Professor M. Edrissi (Department of Chemical Engineering).

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