


## The Guidance Catalogue of Promoting the Application of the First (Set of) Major Technical Equipment (2017 Edition) was Released, which Included 7 Kinds of Equipment in Papermaking Industry

In order to implement the general requirements of *Made in China 2025* on strengthening chinese equipment, continuously improve the innovation level of major technical equipment and accelerate promoting the application of the first (set of) major technical equipment, according to the development status of major technical equipment, on January 26<sup>th</sup>, 2018, the Ministry of Industry and Information Technology published the *Guidance Catalogue of Promoting the Application of the First (set of) Major Technical Equipment (2017 Edition)* (the letter of the ministry of

industry and information [2018] no. 47) (hereinafter referred to as *Guidance Catalogue (2017 Edition)*). The *Guidance Catalogue (2017 Edition)* included 7 kinds of equipment in papermaking industry.

The *Guidance Catalogue (2017 Edition)* will be implemented since January 30<sup>th</sup>, 2018. The *Guidance Catalogue (2016 Edition)* (Ministry of Industry and Information Technology [2017] No. 2) was repealed at the same time. 

**The First (Set of) Major Technical Equipment Related to Papermaking Industry**

Equipment Name	Unit	Key Technical Parameters
Paper Manufacturing Machinery		
Intelligent high speed tissue paper machine	Set	Trimmed width $\geq 5,600$ mm; paper grammage $\geq 13$ g/m <sup>2</sup> ; working speed $\geq 1,800$ m/min
Intelligent high speed corrugated board production line	Set	Working speed $\geq 400$ m/min; maximum width $\geq 2,800$ mm; pick up speed of paper $\geq 350$ m/min; change product without stop; roller changing time < 20 min; paper cutting accuracy: $\pm 0.5$ mm; deviation correction < 3 mm
Sewage Treatment and Recycling Equipment		
Sludge drying equipment	Set	Treatment capacity of single machine $\geq 100$ t/d; sludge moisture content after treatment $\leq 25\%$
Air Pollution Control Equipment		
The integrated equipment of flue gas desulfurization, dedusting and demercuration by dry process	Set	SO <sub>2</sub> $\leq 35$ mg/Nm <sup>3</sup> ; mercury and it's compound $\leq 0.003$ mg/Nm <sup>3</sup> ; dust $\leq 5$ mg/Nm <sup>3</sup> ; sulfuric acid mist $\leq 5$ mg/Nm <sup>3</sup> ; comprehensive utilization of by-products $\geq 60\%$ ; no waste water
Resources Comprehensive Utilization Technical Equipment		
Sewage heat recycling and utilization equipment	Set	Treatment capacity of single machine $\geq 4,000$ t/h; waste heat recovery of single machine $\geq 1,500$ MW/d; sewage temperature after heat recovery $\leq 40^{\circ}\text{C}$
Flue gas heat recycling - reheating equipment	Set	Flue gas temperature at waste heat recovery unit exit $\leq 95^{\circ}\text{C}$ ; flue gas temperature at reheating unit exit $\geq 70^{\circ}\text{C}$ ; suitable for generator with more than 300MW capacity
Biomass circulating fluidized bed boiler	Set	Evaporation capacity $\geq 220$ t/h; thermal efficiency $\geq 91\%$ ; original emission concentration of NO <sub>x</sub> $\leq 150$ mg/Nm <sup>3</sup> ; original emission concentration of SO <sub>2</sub> $\leq 100$ mg/Nm <sup>3</sup>