Nozzles are the twister component of false-twist spinning systems and the main outstanding properties of the yarns produced on these spinning systems is less yarn hairiness. From this point of view, we interested to study nozzle usage in spinning systems working on real twist principle. Therefore, we placed an air nozzle on conventional ring and Rocos compact spinning systems. In particular, we analysed the effect of the nozzle on yarn hairiness. Consequently, we indicated that the nozzle usage is considerably effective on yarn hairiness and Jetring and Compact-Jet spinning systems consisting of the nozzle component produce significantly less hairy yarns. It was determined that the improvement in yarn hairiness in terms of the nozzle is about 50%. Therefore, Jetring and Compact-Jet spinning systems are another modification of conventional ring spinning system.