The robotic arms and hands designed for wheelchairs have profound social significance in addressing the mobility challenges of people with disabilities. These innovations not only provide personal assistance, but also promote social inclusion, independence, and drive technological progress that benefits society as a whole. The following are several aspects and impacts that I believe are social and influential in this field.

**Promote equality and inclusiveness**: The robotic arms and hands on the wheelchair assist users in completing tasks that were previously impossible or required assistance from others, such as retrieving items from heights, opening doors, or handling objects. This not only allows people with disabilities to have greater initiative in their daily lives, but also challenges societal stereotypes of their abilities. They will no longer be treated in a special way by people, which can make them more confident. Moreover, these devices enable users to participate more freely in interactions between public and professional spaces, reducing social stigma towards physical disabilities. As users gradually become independent, they can actively participate in community activities, workplace collaborations, and social events, thereby promoting social cohesion.

Improve the quality of life: Robot arms allow users to regain control of their daily lives and reduce dependence on caregivers and family members. This autonomy not only enhances self-confidence and mental health, but also significantly improves their overall quality of life. Not only can it improve their lives on a physical level, but it can also improve them on a psychological level. Designing with a focus on accessibility prioritizes usability and personalization, ensuring that users feel a sense of control over the technology. The functions of voice control and tactile feedback make the device intuitive and easy to use, reducing frustration and enhancing positive interaction between users and assistive technology.

**Promote technological and economic development**: The development of accessible robot systems has driven technological advancements in fields such as artificial intelligence, biomechanics, and user interface design. These innovations often penetrate into other industries, bringing benefits to the entire society. By helping people with disabilities join the labor market, these devices have contributed to economic growth. Employers benefit from a diverse perspective, while individuals reduce social costs associated with unemployment or disability by achieving economic independence.

**Preparation for the future**: With the aging of the global population, the demand for assistive technologies will continue to grow. The wheelchair robot arm can serve as a model for how technology can adapt to the reduced mobility needs of the elderly. Accessible design has the potential to change the lives of people in developing countries, where mobility challenges are often exacerbated by infrastructure barriers. Creating low-cost and durable solutions will help narrow the gap in global healthcare and disability support systems.

Those are the concepts that I think my chosen topic: robotic arms on wheelchairs will bring to society. In the meanwhile, I will continue to seek more advantages and disadvantages in the future. Hopefully one day, we can actually see it change the world.