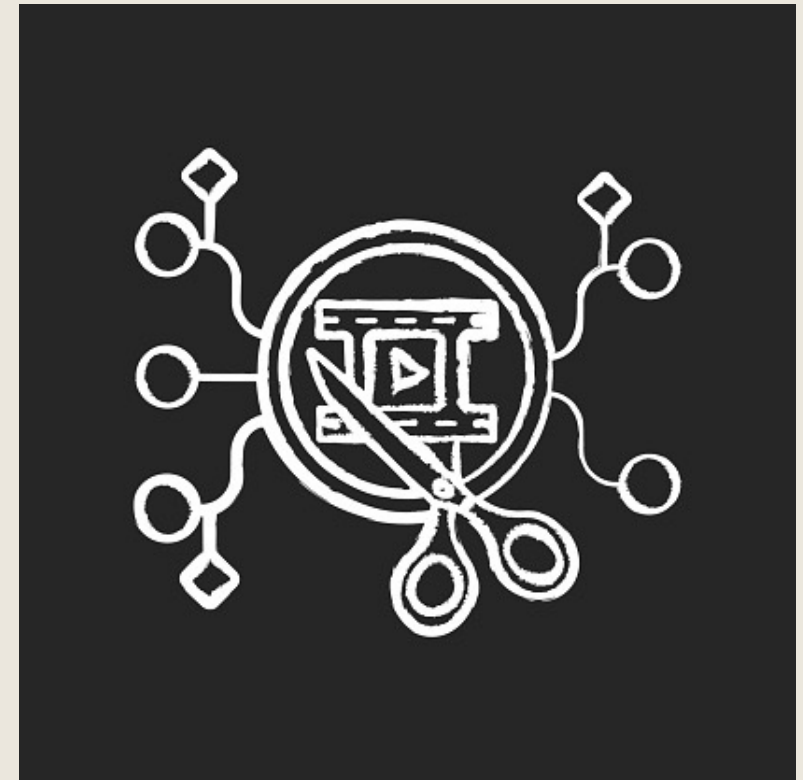




HOW IS DIGITAL
TECHNOLOGY CHANGING
THE FILM INDUSTRY?

Algorithmic Video Editing

Algorithmic video editing is changing the entire film editing process. There are certainly many examples of algorithmic video editing in modern film making. There are some that will absolutely blow your mind. In *We Own The Night*, there is a thrilling high-speed car chase in the rain. It will blow your mind to know that all of the rain effects were added post-production. That's not the only scary thing about algorithmic video editing. Many speculate that it may put the entire video editing team out of business.



Autonomous Drone Cameras



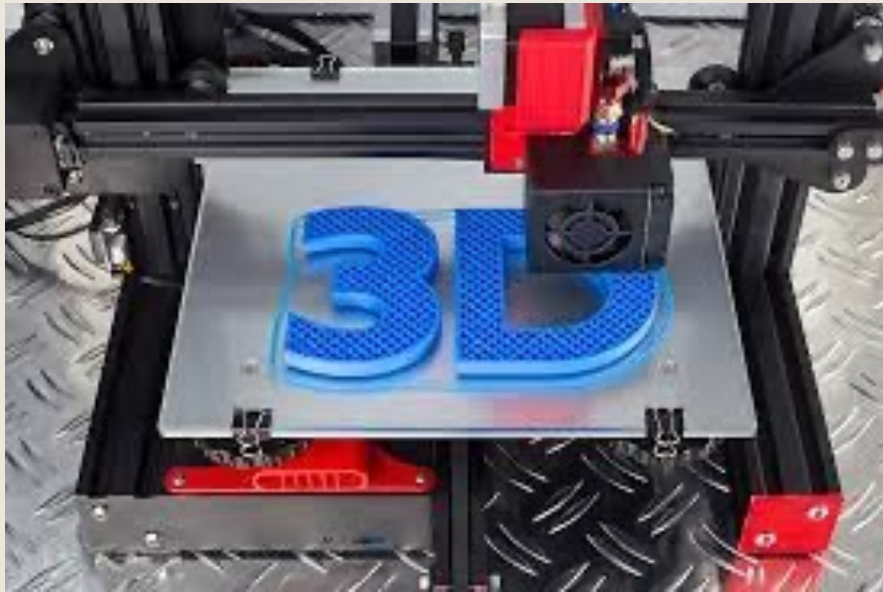
- Autonomous drones aren't exactly new. Consumer versions of autonomous drone cameras do exist on the market. For a few hundred bucks, you easily can find one on Amazon. But these commercial drone cameras are only the infancy of truly autonomous drones. Thanks to advances in artificial intelligence and machine learning, things have changed. It is now possible to “teach” machines to operate independently. So when we say autonomous drones, we mean a drone that is almost sentient.
- An autonomous drone designed for filmmaking is a different breed altogether. It has all the necessary knowledge of filmmaking, camera angles, and techniques. In short, everything you need to make a good film. It also has the ability to avoid obstacles in flight and capturing moving objects. Researchers at MIT already have fully autonomous drones in the works. We will be seeing a new form of cinematography in just a few months.

4K 3D Cameras

- Virtual reality is the name of the entertainment game of the future. So it may not come as a surprise that VR filming technology is actually very real. In fact, people are now looking at 4K 3D cameras to film movies for VR playing. Google and LucidCam have both come out with 4K 3D VR live production cameras. While VR is still not popular as a cinematic medium, it does have the potential to become so in the future. How soon can we watch movies in 4k 3D VR? Not too far in the future, considering the way things are progressing



3D Printing



- 3D printers are one of the most important inventions of our time. The industrial applications are endless. From 3D printing houses to tools in outer space, 3D printers make for a very useful piece of technology. Filmmaking is actually very well-suited to adopting 3D printers to reduce costs.
- For one thing, a 3D printer eliminates the need to transport equipment. So you don't need to ship from location to location. You do not need to pay expensive shipping costs. Not when you can simply 3D print your props, costumes, and equipment. Of course, 3D printers can't print a camera or lens, but it can print the parts you need. If nothing else, you can print clapboards. 3D printing isn't advanced enough yet for it to be affordable and quick. But when that day comes, filming shipping costs will be a thing of the past.

After Effects

- After Effects focuses on exploring aesthetic, narrative, and affective possibilities of hybridization. After Effects includes not only the special processing and synthesis of images, but also the editing of materials. With the rapid development of digital film and television art, film and television post production also plays an increasingly important role
- AE software, as a professional non-linear editing and post synthesis software, plays a great role in video post-production, which enables the editor to make motion images and effects with visual innovation effect in an accurate and fast way, and apply it to film and video

