

# Maryland Soccerplex Uses Turf Tank Autonomous Line Marking Robots To Increase Efficiency

The Maryland SoccerPlex is a world-class complex in Germantown popular as a host for several tournaments throughout the year.

**Challenge** Difficult to achieve a high level of quality with traditional line marking methods

- 24 professionally maintained fields
- 400+ matches per field per year
- Numerous back-to-back spotting events, throughout the year

## Solution

- 2 Turf Tank Robots
- Automation of the line marking process

### Before

Manual painting with strings

5 people x 12h; 60h /week; 1800h /year

**1,800 hours painting**

Resizing fields every 2 weeks

2 people x 8h to measure/mark;  
layout x 15weeks/year = 240h laying out

**2,040 hours total painting & laying out**

### Now

Painting

2 people x 8h; 16h /week; 480h /year

**480 hours painting**

Resizing fields every 2 weeks

2 people x .1h x 15 weeks = 3h x 15 weeks  
= 3h

**483 hours total painting & laying out**



"Previous to Turf Tank, we would pull strings on every single line every single week. Now with Turf Tank, our preparation is so much easier. We go from having a crew of five people to just having two people painting with two different Turf Tanks. So we're able to be much, much more efficient. And that allows us to do other things during preparation that we weren't able to do before."

- Jerad Minnick, Director of the Sports Turf Institute



**1,600 hr**

Saved in a year  
on field preparation



**\$40,000**

Saved on labor  
in a season



**100%**

accurate lines