Claims

1. A rotor disk for guiding workpieces (28) in a double-sided processing machine, comprising at least one workpiece opening (132, 232) for receiving at least one workpiece (28) to be processed in a material-removing manner on both sides in the double-sided processing machine, characterized in that the entire surface of the rotor disk (24, 124, 224) includes a contact angle of a water drop of at least 70°, and not more than 75°.

2. The rotor disk according to any one of the preceding claims, characterized in that the surface of the rotor disk (24, 124, 224) is roughened.

3. The rotor disk according to any one of the preceding claims, characterized in that the surface of the rotor disk (24, 124, 224) is coated.

4. The rotor disk according to Claim 3, characterized in that the coating is a DLC coating.

5. A double-sided processing machine, comprising a first working disk (14) having a first working surface and a second working disk (16) having a second working surface, wherein the working surfaces delimit between them a working gap (22), and wherein at least one of the working disks (14, 16) of the double-sided processing machine can be rotatingly driven, further comprising a fluid feed (30) for feeding a processing fluid into the working gap (22), and comprising at least one rotor disk (24, 124, 224) according to any one of the preceding claims, with which at least one workpiece (28) can be guided in the working gap (22) for material-removing processing on both sides.

6. A method for processing at least one workpiece (28) in a double-sided processing machine according to Claim 5, in which the at least one workpiece (28) is received in the at least one workpiece opening (32, 132, 232) of the at least one

rotor disk (24, 124, 224) and is guided for processing in the working gap (22) of the double-sided processing machine, wherein at least one of the working disks (14, 16) of the double-sided processing machine is rotatingly driven, and wherein a processing fluid is fed into the working gap (22) during the processing.